



OK MACHINE & TOOL CORPORATION



BATTERY POWERED "INDUSTRIAL" WIRE WRAPPING TOOL BW-520

Model BW-520 is a battery operated wire-wrapping tool, also available in reversible models for wrapping and unwrapping operations. The rechargeable nickel cadmium batteries are self contained in the handle of the tool. Useful for installation and field service work, or small production jobs. Available with "Backforce" device to prevent overwrapping.

	Back Force	Wrapping	Unwrapping	Wire Size
BW-520	No	Yes	No	AWG 22
BW-520-BF	Yes	Yes	No	Thru
BW-520-U	No	Yes	Yes	AWG 30
BW-520-BF-U	Yes	Yes	Yes	

Unwrapping bit/sleeve part no PUW-2226 for AWG 22-26, PUW 2830 for AWG 26-30.

Batteries included, Bit and Sleeve not included

BATTERY POWERED "INSTALLATION AND FIELD SERVICE" WIRE WRAPPING TOOL BW-928

Model BW-928 is a battery operated wire-wrapping tool that accepts all standard bits and sleeves for 22-30 AWG wire. Features positive indexing, strong Lexan® (tm-G.E.Co) housing and weighs only 8 ounces (225 grams). Simply turn the batteries over to reverse the tool for unwrapping. Anti over-wrapping device is an optional feature. Uses 2 standard "C" size rechargeable NiCad batteries.

	Back Force	Wrapping	Unwrapping	Wire Size
BW-928	No	Yes	Yes use same	AWG 22
			Unwrapping	Thru
BW-928-BF	Yes	Yes	Bit as BW-520	AWG 30

Use "C" size NiCad batteries not included
Bit and Sleeve not included

BATTERY CHARGERS

For recharging "C" size NiCad Batteries

BC-3-115	(115 Volts A.C.)
BC-3-230	(230 Volts A.C.)

REPLACEMENT BATTERIES

RB-20	(set of 2) "C" size NiCad Batteries
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MANUAL WIRE WRAPPING

This SPEED-WRAP tool is designed to produce wire-wrapped connections by merely squeezing the trigger. This model makes full use of bits and sleeves made for use in electric or air driven wire-wrapping power tools, both regular and modified. It will accommodate wire from AWG 22 thru AWG 30. For production line and field service use in the electronic, telecommunications and appliance industries.

G100/R3278	Aluminum	Bit and Sleeve not included
G200/R3278	Lexan	

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G100/R3278

G200/R3278



PNEUMATIC WIRE WRAPPING TOOL OK-729 - OK-729-CSW

The new OK-729 pneumatic wire-wrapping tool is the lightest available - 11 oz. (300 gm) - yet is packed with heavy duty features. The compact tool is perfectly balanced and features precision steel drive components enclosed in a reinforced Lexan[®] housing for maximum performance and reliability. An effective new muffler, a positive indexing mechanism with adjustable stop location, and a 6 ft. (2m) flexible air hose are included. The tool is available in 2 versions: "Standard" at 4,500 R.P.M., and "CSW" with higher torque and a lower 3,000 R.P.M. speed for cut/strip/wrap applications. Designed to operate at 80-100 PSI (6-7ATU) OK-729 is fully rated for "heavy duty" applications on wire as large as AWG 18 (1.0mm), or as small as 30 AWG (0.25mm) work. Bit and sleeve not included.

ELECTRIC POWERED WIRE WRAPPING TOOL EW-8

The Model EW-8, with its specially formulated reinforced plastic housing, is an efficient, lightweight, and easy-to-use tool. Available with Back Force (BF) device to prevent over-wrapping. EW-8 weighs only 9.5oz (270gms), 3300 RPM.

CUT-AND-STRIP ATTACHMENT

Model STE-7 is a lightweight, precision device which clips easily to all Models EW-8, EW-7D, BW-520, BW-928 tools. Cuts and strips from reel or harness without nicking the wire.

	WIRE SIZE	REPLACEMENT BLADE NUMBER
STE-7-22	22 GA	STE-7-22B
STE-7-24	24 GA	STE-7-24B
STE-7-224	22-24 GA	STE-7-224B
STE-7-26	26 GA	STE-7-26B
STE-7-28	28 GA	STE-7-28B
STE-7-30	30 GA	STE-7-30B

WIRE WRAPPING BITS & SLEEVES

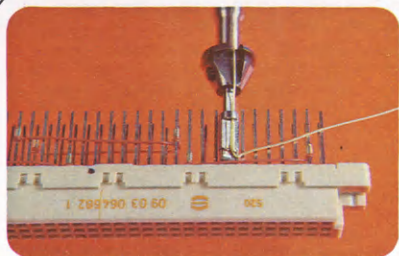
Bits and sleeves for BW-928 and BW-520 battery operated tools, for EW-7D and EW-8 electric tools and for G100/R3278 and G200/R3278 chuck type manual wire-wrapping tools and OK-729 pneumatic wire-wrapping tool.

	Speed
OK-729	4,500 R.P.M.
OK-729-CSW	3,000 R.P.M.

	Input Voltage	No Load Current	Back Force
EW-8	110 VAC	.05 Amps	No
EW-8-BF	110 VAC	.05 Amps	Yes
EW-8-220	220 VAC	.025 Amps	No
EW-8-220-BF	220 VAC	.025 Amps	Yes



Wire Gauge (AWG)	Reg	Mod	Bit Part No.	Sleeve Part No.	Maximum Insulation Diameter	Terminal Hole Diameter	Terminal Hole Depth
22	•		KB22	P2224		.075 (1.90mm)	.750 (19.05mm)
22		•	WB2275M	P2224	.062 (1.32mm)	.075 (1.90mm)	1.000 (25.40mm)
22-24	•		KB224	P2224		.075 (1.90mm)	.807 (20.50mm)
24	•		KB24	P2426		.075 (1.90mm)	.750 (19.05mm)
24		•	WB24M	P2224	.046 (1.19mm)	.075 (1.90mm)	.750 (19.05mm)
26	•		KB26	P2426		.075 (1.90mm)	1.000 (25.40mm)
26		•	WB26SM	P26LN	.031 (0.79mm)	.040 (1.02mm)	.750 (19.05mm)
26		•	WB26M	P2224	.046 (1.17mm)	.075 (1.90mm)	1.000 (25.40mm)
28		•	WB28SHM	P3032	.030 (0.76mm)	.036 (0.91mm)	.750 (19.05mm)
30		•	SB30MSH-B	P3032	.027 (0.69mm)	.036 (0.91mm)	.750 (19.05mm)
30-32		•	WB3032M	P3032	.027 (0.69mm)	.040 (1.02mm)	.750 (19.05mm)



"CUT-STRIP & WRAP" TOOLS

The OK Cut-Strip & Wrap bits offer the ultimate in wire-wrapping convenience and performance. With these tools wire may be wrapped directly from a reel or harness with no prior wire end preparation. The Cut-Strip & Wrap bits cut the wire, strip off the proper length of insulation and wrap the wire all in one easy operation.

All types of wires may not be compatible with the process of Cut-Strip & Wrap wire wrapping. For best results "Tefzel" wire below

"CUT-STRIP & WRAP" FOR POWER TOOLS

Holder	Head Part Number	Wire Size		Terminal Hole Diameter		Terminal Hole Depth		Strip Length		Head Diameter		Min Terminal Spacing		
		AWG	SWG	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm
CSWH-3	CSWB-7	24	25	0.5	.070	1.78	1.00	25.4	1.62	41.1	240	6.1	.156	3.9
CSWH-3	CSWB-8		23	0.6	.070	1.78	1.00	25.4	1.62	41.1	240	6.1	.156	3.9
CSWH-3	CSWB-9	26	28	0.4	.070	1.78	1.00	25.4	1.62	41.1	240	6.1	.156	3.9
CSWH-3	CSWB-10	26	28	0.4	.089	2.26	1.02	26.0	2.00	50.8	312	8.0	.250	6.3
CSWH-5	CSWB-11	30	33	0.25	.036	0.91	.75	19.1	0.87	22.1	.156	3.96	.100	2.5
CSWH-3	CSWB-12		22	0.7	.070	1.78	1.00	25.4	1.44	36.6	240	6.1	.156	3.9
CSWH-3	CSWB-13	24	25	0.5	.089	2.26	1.02	26.0	2.00	50.8	312	8.0	.250	6.3
CSWH-3	CSWB-14	22	23	0.6	.089	2.26	1.02	26.0	2.00	50.8	312	8.0	.250	6.3
CSWH-3	CSWB-16	24	25	0.5	.062	1.57	.25	6.3	1.44	36.6	240	6.1	.156	3.9
CSWH-3	CSWB-17	26	28	0.4	.062	1.57	.25	6.3	1.44	36.6	240	6.1	.156	3.9
CSWH-3	CSWB-18	22		0.64	.070	1.78	1.00	25.4	1.62	41.1	240	6.1	.156	3.9

HAND WRAPPING CUT/STRIP & WRAP TOOLS

Holder	Head Part Number	Wire Size		Terminal Hole Diameter		Terminal Hole Depth		Strip Length		Head Diameter		Min Terminal Spacing		
		AWG	SWG	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm
CSWH-4	CSWB-7	24	25	0.5	.070	1.78	1.00	25.4	1.62	41.1	240	6.1	.156	3.9
CSWH-4	CSWB-8		23	0.6	.070	1.78	1.00	25.4	1.62	41.1	240	6.1	.156	3.9
CSWH-4	CSWB-9	26	28	0.4	.070	1.78	1.00	25.4	1.62	41.1	240	6.1	.156	3.9
CSWH-4	CSWB-10	26	28	0.4	.089	2.26	1.02	26.0	2.00	50.8	312	8.0	.250	6.3
CSWH-6	CSWB-11	30	33	0.25	.036	0.91	.75	19.1	0.87	22.1	.156	3.96	.100	2.5
CSWH-4	CSWB-12		22	0.7	.070	1.78	1.00	25.4	1.44	36.6	240	6.1	.156	3.9
CSWH-4	CSWB-13	24	25	0.5	.089	2.26	1.02	26.0	2.00	50.8	312	8.0	.250	6.3
CSWH-4	CSWB-14	22	23	0.6	.089	2.26	1.02	26.0	2.00	50.8	312	8.0	.250	6.3
CSWH-4	CSWB-16	24	25	0.5	.062	1.57	.25	6.3	1.44	36.6	240	6.1	.156	3.9
CSWH-4	CSWB-17	26	28	0.4	.062	1.57	.25	6.3	1.44	36.6	240	6.1	.156	3.9
CSWH-4	CSWB-18	22		0.64	.070	1.78	1.00	25.4	1.62	41.1	240	6.1	.156	3.9

FOR CUT, STRIP & WRAP APPLICATIONS TEFLON INSULATED WIRE ROLLS

Wire Size		Insulation Diameter		Roll Size		Colors		
AWG	mm	Inches	mm	Feet	Meters	Blue	Yellow	White
24	0.50	.030	0.76	100 500	30.4 152.0	CSW 24B-0100 CSW 24B-0500	CSW 24Y-0100 CSW 24Y-0500	CSW 24W-0100 CSW 24W-0500
26	0.40	.027	0.69	100 500	30.4 152.0	CSW 26B-0100 CSW 26B-0500	CSW 26Y-0100 CSW 26Y-0500	CSW 26W-0100 CSW 26W-0500
30	0.25	.0195	0.50	100 500	30.4 152.0	CSW 30B-0100 CSW 30B-0500	CSW 30Y-0100 CSW 30Y-0500	CSW 30W-0100 CSW 30W-0500



WRAP/STRIP/UNWRAP TOOLS

Wire-wrapping, stripping, unwrapping tool for AWG 30 on .025" (0.63mm) Square Post.

WSU-30	REGULAR WRAP
WSU-30M	MODIFIED WRAP
	FOR AWG 22 & 24, REGULAR WRAP, .075 TERMINAL HOLE DIAMETER
WSU-2224	REGULAR WRAP

HAND WRAPPING TOOLS

These Hand Wrapping Tools are carefully designed to produce perfect wire-wrapped connections.

	Reg	Mod	Wire Size AWG	Terminal Hole Diameter	Terminal Hole Depth
HW-18LH	•		18 GA	.135	1.000
HW-18-19	•		18-19 GA	.075	1.000
HW-20	•		20 GA.	.075	1.000
HW-22	•		22 GA	.075	.750
HW-224	•		22-24 GA	.075	.807
HW-224LH	•		22-24 GA	.086	1.000
HW-24	•		24 GA	.075	.750
HW-24M		•	24 GA	.075	.750
HW-26		•	26 GA	.075	1.000
HW-26SM		•	26 GA	.040	.750
HW-30		•	30 GA	.036	.750

HAND UNWRAPPING TOOLS

These tools are used to easily remove solderless wrapped connections from 18 thru 32 gauge wire.

	Type	Wire Size AWG	Type	Terminal Hole Diameter	Terminal Hole Depth
UW 1819	A	18-19	LEFT	.075	.750
UW1	A	20-26	LEFT	.070	.750
UW2	E	20-26	LEFT, RIGHT	.070	.750
UW4	D	20-26	LEFT	.086	2.360
UW7	A	20-26	LEFT	.070	.750
UW8	A	20-26	LEFT	.070	1.500
UW52L	E	20-26	LEFT/RIGHT	.052	.750
UW120R	A	20-26	LEFT	.070	1.000
UW093R	A	24-32	LEFT	.038	1.000
UWD93-93	E	24-32	LEFT/RIGHT	.038	1.000
UW2832C	D	28-32	LEFT/RIGHT	.038	.750

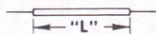
HAND WRAPPING/UNWRAPPING TOOLS

New convenience. One tool that does the job of two. Quick, convenient and easy to use.

To switch from wire-wrapping to unwrapping takes only seconds - just a quick change of the cap from one end to the other.

Number	Reg	Mod	Wire Size AWG	Wrapping Side Maximum Insulation Diameter	Terminal Hole Diameter	Terminal Hole Depth	Unwrapping Terminal Hole Diameter	Terminal Hole Depth
HW-UW-18-19	•		18-19	-	.075	1.000	.075	.750
HW-UW-20	•		20	-	.075	1.000	.070	.750
HW-UW-224	•		22-24	-	.075	.807	.070	.750
HW-UW-26	•		26	-	.075	.750	.070	.750
HW-UW-26SM		•	26	.031	.046	.750	.038	.625
HW-UW-30		•	30	.027	.036	.750	.038	.625

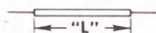
WIRE WRAPPING WIRE AND ROLLS



RECOMMENDED
LENGTH "L"

AWG 30 (0.25MM) KYNAR WIRE
INSULATION DIAMETER .0195 INCH (0.50MM)
STRIP-OFF LENGTH BOTH ENDS 1 INCH (25MM)
500 WIRES PER PACKAGE

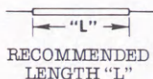
Inch	mm	Blue Part No.	White Part No.	Yellow Part No.	Red Part No.	Black Part No.
1	25	30B-010	30W-010	30Y-010	30R-010	30BLK-010
1.5	38	30B-015	30W-015	30Y-015	30R-015	30BLK-015
2	51	30B-020	30W-020	30Y-020	30R-020	30BLK-020
2.5	63	30B-025	30W-025	30Y-025	30R-025	30BLK-025
3	76	30B-030	30W-030	30Y-030	30R-030	30BLK-030
3.5	89	30B-035	30W-035	30Y-035	30R-035	30BLK-035
4	101	30B-040	30W-040	30Y-040	30R-040	30BLK-040
4.5	114	30B-045	30W-045	30Y-045	30R-045	30BLK-045
5	127	30B-050	30W-050	30Y-050	30R-050	30BLK-050
6	152	30B-060	30W-060	30Y-060	30R-060	30BLK-060
7	178	30B-070	30W-070	30Y-070	30R-070	30BLK-070
8	203	30B-080	30W-080	30Y-080	30R-080	30BLK-080
9	228	30B-090	30W-090	30Y-090	30R-090	30BLK-090
10	254	30B-100	30W-100	30Y-100	30R-100	30BLK-100
	Feet Meters					
Insulated	100 (30.4m)	R30B-0100	R30W-0100	R30Y-0100	R30R-0100	R30BLK-0100
Wire	500 (152.0m)	R30B-0500	R30W-0500	R30Y-0500	R30R-0500	R30BLK-0500
Rolls	1000 (304.0m)	R30B-1000	R30W-1000	R30Y-1000	R30R-1000	R30BLK-1000



RECOMMENDED
LENGTH "L"

AWG 28 (0.32MM) KYNAR WIRE
INSULATION DIAMETER .023 INCH (0.59MM)
STRIP OFF LENGTH BOTH ENDS 1 INCH (25MM)
500 WIRES PER PACKAGE

Inch	mm	Blue Part No.	White Part No.	Yellow Part No.
1	25	28B-010	28W-010	28Y-010
1.5	38	28B-015	28W-015	28Y-015
2	51	28B-020	28W-020	28Y-020
2.5	63	28B-025	28W-025	28Y-025
3	76	28B-030	28W-030	28Y-030
3.5	89	28B-035	28W-035	28Y-035
4	101	28B-040	28W-040	28Y-040
4.5	114	28B-045	28W-045	28Y-045
5	127	28B-050	28W-050	28Y-050
6	152	28B-060	28W-060	28Y-060
7	178	28B-070	28W-070	28Y-070
8	203	28B-080	28W-080	28Y-080
9	228	28B-090	28W-090	28Y-090
10	254	28B-100	28W-100	28Y-100
	Feet Meters			
Insulated	100 (30.4m)	R28B-0100	R28W-0100	R28Y-0100
Wire	500 (152.0m)	R28B-0500	R28W-0500	R28Y-0500
Rolls	1000 (304.0m)	R28B-1000	R28W-1000	R28Y-1000

WIRE WRAPPING WIRE

AWG 26 (0.4MM) KYNAR WIRE
INSULATION DIAMETER .027 INCH (0.69MM)
STRIP-OFF LENGTH BOTH ENDS 1 INCH (25MM)
500 WIRES PER PACKAGE

Inch	mm		Blue Part No.	White Part No.	Yellow Part No.
1	25		26B-010	26W-010	26Y-010
1.5	38		26B-015	26W-015	26Y-015
2	51		26B-020	26W-020	26Y-020
2.5	63		26B-025	26W-025	26Y-025
3	76		26B-030	26W-030	26Y-030
3.5	89		26B-035	26W-035	26Y-035
4	101		26B-040	26W-040	26Y-040
4.5	114		26B-045	26W-045	26Y-045
5	127		26B-050	26W-050	26Y-050
6	152		26B-060	26W-060	26Y-060
7	178		26B-070	26W-070	26Y-070
8	203		26B-080	26W-080	26Y-080
9	228		26B-090	26W-090	26Y-090
10	254		26B-100	26W-100	26Y-100
	Feet	Meters			
Insulated	100	30.4	R26B-0100	R26W-0100	R26Y-0100
Wire	500	152.0	R26B-0500	R26W-0500	R26Y-0600
Rolls	1000	304.0	R26B-1000	R26W-1000	R26Y-1000

**WIRE WRAPPING, WIRE KITS**

The WK-30 Kits contain a WB-16 Wire Bin, 500 pieces each of 14 assorted lengths of pre-cut AWG 30 KYNAR® Wire (insulated lengths 1-10 inches), one 500 ft. roll of wire and one ST-100-30 wire cut and strip tool.

WK-30B BLUE
WK-30W WHITE
WK-30Y YELLOW

WIRE BIN (ONLY)

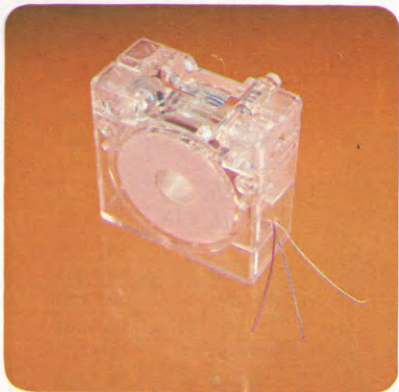
16 Wire Tubes • Easy to adjust the depth of wire tubes • Modular design permits stacking of units • 8" high, 7 1/4" wide, 14" deep — tubes 1 3/8" inside diameter

WB-16 WIRE BIN

AWK 24 (0.50MM) KYNAR WIRE
INSULATION DIAMETER .042 INCH (1.07MM)
STRIP-OFF LENGTH BOTH ENDS 1 7/16 INCH
(36.5MM)
500 WIRES PER PACKAGE

Inch	mm	White Part No.	Yellow Part No.
1	25	24W-010	24Y-010
1.5	38	24W-015	24Y-015
2	51	24W-020	24Y-020
2.5	63	24W-025	24Y-025
3	76	24W-030	24Y-030
3.5	89	24W-035	24Y-035
4	101	24W-040	24Y-040
4.5	114	24W-045	24Y-045
5	127	24W-050	24Y-050
6	152	24W-060	24Y-060
7	178	24W-070	24Y-070
8	203	24W-080	24Y-080
9	228	24W-090	24Y-090
10	254	24W-100	24Y-100

	Feet	Meters		
Insulated	100	30.4	R24W-0100	R24Y-0100
Wire	500	152.0	R24W-0500	R24Y-0500
Rolls	1000	304.0	R24W-1000	R24Y-1000



WD-30-TRI



R-30-TRI



AD-24

WD-30



R-AD-24-B
R-AD-24-Y
R-AD-30-B
R-AD-30-Y

TRI-COLOR DISPENSER

- 3 Rolls of Wire in one dispenser.
- 3 Colors: Blue, White, Red, 50 ft. of each color.
- AWG 30 (0.25mm) KYNAR® Insulated Wire.
- Built-in Plunger cuts wire to desired length.
- Built-in Stripper strips 1" of insulation.
- Refillable (for refills, see below).

TRI-COLOR DISPENSER

REPLACEMENT ROLLS

- AWG 30 (0.25mm) KYNAR® Insulated Wire.
- 3 Colors: Blue, White, Red, 50 ft. each color.
- Silver plated, solid conductor, easy stripping.

REPLACEMENT ROLLS

WIRE DISPENSER

- With 50 ft. Roll of AWG 30 KYNAR® wire-wrapping wire.
- Built-in Plunger cuts wire to desired length.
- Built-in Stripper strips 1" of insulation.
- Refillable (For refills, see below).

- BLUE WIRE DISPENSER
- YELLOW WIRE DISPENSER
- WHITE WIRE DISPENSER
- RED WIRE DISPENSER

ROLLS OF WIRE

Wire for wire-wrapping. AWG-30 (0.25mm) KYNAR® wire, 50 ft. roll, silver plated, solid conductor, easy stripping.

- 30-AWG BLUE 50 FT. ROLL
- 30-AWG YELLOW 50 FT. ROLL
- 30-AWG WHITE 50 FT. ROLL
- 30-AWG RED 50 FT. ROLL

ADJUSTABLE DISPENSER

- With 50 ft. of AWG 24 (0.5mm) or 100 ft. of AWG 30 (0.25mm) KYNAR® wire-wrapping wire.
- Built-in Cutter cuts wire to desired length.
- Adjustable strip length, 3"-2" (9.5-51mm).
- Interchangeable Strip Blade for alternate wire size.
- Refillable.

- 24 AWG BLUE WIRE DISPENSER
- 24 AWG YELLOW WIRE DISPENSER
- 30 AWG BLUE WIRE DISPENSER
- 30 AWG YELLOW WIRE DISPENSER

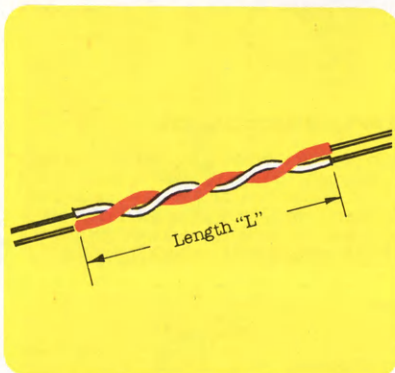
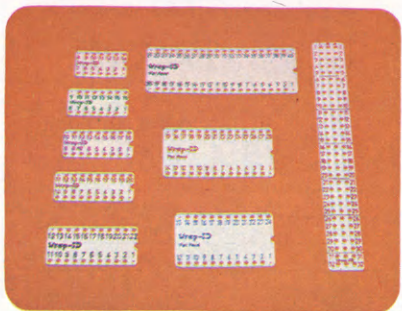
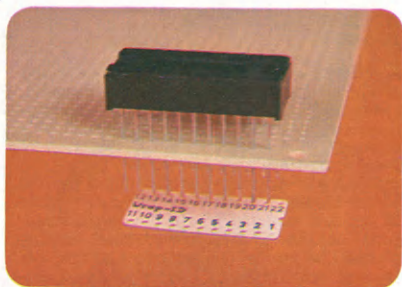
ADJUSTABLE DISPENSER REPLACEMENT ROLLS

Wire-wrapping wire. Silver plated solid copper conductor, KYNAR® insulated, easy stripping.

- 50 FT. 24 AWG BLUE ROLL
- 50 FT. 24 AWG YELLOW ROLL
- 100 FT. 30 AWG BLUE ROLL
- 100 FT. 30 AWG YELLOW ROLL

REPLACEMENT STRIPPING BLADES

- For 24 AWG (0.5mm)
- For 30 AWG (0.25mm)
- *KYNAR-PENNWALT



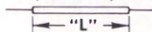
SOCKET - WRAP I.D.

Now offering an exciting, low cost item used to identify pin numbers on wire-wrapping sockets. Consisting of a socket-sized plastic panel with numbered holes in the pin location, the Socket Wrap-ID is simply slipped onto the socket before wrapping. You can also write on them for easy identification of location, IC part number, function, etc. These unique items greatly simplify both initial wire-wrapping and subsequent troubleshooting or repair. A great help to hobbyists, technicians, and production facilities alike.

Pins	Part No.	Qty.	Pins	Part No.	Qty.
14	ID-14-100	100	24	ID-24-50	50
16	ID-16-100	100	28	ID-28-50	50
18	ID-18-50	50	40	ID-40-25	25
20	ID-20-50	50	96	ID-96-25	25
22	ID-22-50	50			

TWISTED PAIR WIRE

AWG 30 (0.25mm) Kynar® wire, twisted blue and white wire pair, 3 to 5 twists per inch, stripped-off length both ends 1 inch (25.4mm), insulation diameter 0.195 inch (0.50mm).



	Length "L"	
	Inch	mm
30BW-TP-020	2	51
30BW-TP-030	3	76
30BW-TP-040	4	101
30BW-TP-050	5	127
30BW-TP-060	6	152
30BW-TP-070	7	178
30BW-TP-080	8	203
30BW-TP-090	9	228
30BW-TP-100	10	254
R30BW-TP0100	Insulated	100 FT. ROLL
R30BW-TP-0600	Wire	500 FT. ROLL
R30BW-TP-1000	Rolls	1000 FT. ROLL

HOOK-UP WIRE

HK-18	18 AWG	25 FT.	SOLID CONDUCTOR
HK-20	20 AWG	25 FT.	SOLID CONDUCTOR
HK-22	22 AWG	50 FT.	SOLID CONDUCTOR
HK-24	24 AWG	50 FT.	SOLID CONDUCTOR
HK-26	26 AWG	50 FT.	SOLID CONDUCTOR
SHK-18	18 AWG	25 FT.	STRANDED CONDUCTOR
SHK-20	20 AWG	25 FT.	STRANDED CONDUCTOR
SHK-22	22 AWG	50 FT.	STRANDED CONDUCTOR
SHK-24	24 AWG	50 FT.	STRANDED CONDUCTOR
SHK-26	26 AWG	50 FT.	STRANDED CONDUCTOR

ST-100



ST-100-24

OK-3907



OK-3907-24B



WIRE CUT-AND-STRIP TOOLS

A revolutionary new concept for easy and clean stripping of wires for wire-wrapping, electronic and appliance applications. Bio-mechanically designed for maximum efficiency.

Easy to operate ... place wires (up to 4) in stripping slot with ends extending beyond cutter blades ... press tool and pull ... wire is cut and stripped to proper "wire-wrapping" length. The hardened steel cutting blades and sturdy construction of the tool insure long life. Strip length easily adjustable for your application.

Model Number	AWG	"Shiner" Length of stripped wire
ST-100	22-24	$1\frac{1}{8}$ to $1\frac{7}{8}$
ST-100-24	24	$1\frac{5}{8}$ to $1\frac{7}{8}$
ST-100-26	26	$1\frac{3}{8}$ to $1\frac{1}{8}$
ST-100-26-875	26	$\frac{7}{8}$ to $1\frac{1}{8}$
ST-100-28	28	$\frac{7}{8}$ to $1\frac{1}{8}$
ST-100-30	30	$\frac{7}{8}$ to $1\frac{1}{8}$
OK-3907	22-24	$1\frac{1}{2}$ to $1\frac{3}{4}$ "
OK-3907-24	24	$1\frac{1}{2}$ to $1\frac{3}{4}$ "
OK-3907-26	26	$1\frac{1}{2}$ to $1\frac{3}{4}$ "
OK-3907-26SP	26	2"
OK-3907-28	28	$\frac{7}{8}$ to $1\frac{1}{8}$
OK-3907-30	30	$\frac{7}{8}$ to $1\frac{1}{8}$

REPLACEMENT BLADES

Replacement blades are interchangeable between ST-100 and OK 3907 wire-stripping tools. These fine blades are made from specially tempered spring steel. The stripping slot is carefully centered within the blade to ensure clean no nick stripping.

Blade number	Use with	
OK-3907-B	OK-3907	ST-100
OK-3907-24B	OK-3907-24	ST-100-24
OK-3907-26B	OK-3907-26	ST-100-26
OK-3907-26B	OK-3907-26SP	ST-100-26SP & 875
OK-3907-28B	OK-3907-28	ST-100-28
OK-3907-30B	OK-3907-30	ST-100-30 & SP

"CLIP AND STRIP" TOOL

A unique new design for stripping 1" insulation from 30 AWG wire. Insert wire, squeeze tool closed to cut off excess wire, pull wire through stripping slot to remove insulation.

CAS-130

CLIP AND STRIP

The above list of cut and strip tools are not applicable for mylene or teflon insulation

ST-300B



MS-01

MS-20

ST-300

ST-300
ST-300B**WIRE STRIPPER**

A new, all purpose, manual wire stripper ST-300 with a convenient adjustable stop for consistency in wire strip lengths. This easy to use tool strips 14 to 22 AWG solid and stranded wire cleanly and quickly. It strips Kynar, vinyl, polyethylene, rubber, neoprene, and irradiated vinyls – almost all insulation materials in use today. With one light squeeze of the handles, cutting blades cut through and remove up to $\frac{3}{4}$ " of insulation. Heavy duty and reliable, the tool is ideal for appliance, automotive, electrical fixture, instrumentation and household wiring. The ST-300 won't damage or nick wire.

**WIRE STRIPPER
REPLACEMENT BLADE****MINI SHEAR**

- Flush Cutter for Component Leads
- Cuts in tight areas.
- Cuts up to 16 AWG

MINI SHEAR**MINI SHEAR WITH SAFETY CLIP**

- Keeps clipped leads from flying.

MINI SHEAR WITH CLIP**MICRO NOSE PLIERS**

High carbon steel, lightweight precision pliers. High strength serrated jaws offer maximum grip. These low profile pliers feature double coil springs and a unique foam vinyl handles for ease of use.

MICRO NOSE PLIER**VACUUM VISE**

Unique vacuum based light duty vise for precision handling of small components and assemblies. Rugged ABS construction. 1 $\frac{1}{2}$ " (38mm) wide jaws, 1 $\frac{1}{4}$ " (32mm) travel for maximum versatility. Also features screw lugs for permanent installation. (mounting screws included).

VACUUM VISE**SOLDERING AID KIT**

Soldering Aid Kit includes:

- 2 Heat sinks to dissipate heat during soldering to protect transistors and diodes
- Electronic tweezers with self closing blunt tip
- Brush and scraper cleans solder connections and removes excess solder
- Fine point and slotted probe cleans and reams holes and holds wire while soldering

The kit facilitates any soldering during PC board assembly, repair work, etc.

ELECTRONIC SOLDER

- Rosin core
- 60% tin – 40% lead
- Net weight 2.5 oz. (70.7 grams)
- .045" (1.15mm) diameter
- Conforms to federal spec. QQ-S-571

ELECTRONIC TWEEZERS (only)

MNP-1



VV-1



MS-01

MS-20

MNP-1

VV-1

SK-14

SK-20

SK-15



SK-20

SK-15

SK-14



PCBH-10

DP-1

DP-1
DPT-1

DESOLDER PUMP IS HIGH QUALITY, LOW COST

DP-1 Desolder Pump offers full industrial performance and features at an economical price. The DP-1 features all metal construction with precision components for maximum reliability and ease of operation. Suction is precisely regulated for efficient solder removal without damage to delicate circuitry. Self-cleaning on each stroke, the DP-1 is quickly disassembled without special tools for maintenance or repairs. Rugged Teflon tip is easily replaced.

Desoldering pump
Replacement Tip (2 per pkg)

PCB HOLDER

Versatile PC board holder is ideal for holding boards while stuffing components then flipping over to solder components in place. Holder has screw holes for work bench mounting (screws included) or can be mounted in a vice. PC board flips over more than 180°, rotates 360°, and can be stopped in any position.

Printed Circuit Board Holder

SOLDER-AID SOLDER AND TOOL STATION

A unique tool and solder station designed to accommodate and organize many items used for PC board assembly, and solder repair work. Will hold solder, soldering iron, and desoldering pump, shears and small tools. Station includes: safe soldering iron holder, sponge pad for tip cleaning, compartments for more than 15 tools. For use in lab, factory or home.

Solder and Tool station

SOLDERLESS CIRCUIT BOARD

CM-700 consists of a CM-600 solderless neoprene board, 4 1/2" (114mm) x 6" (152mm) with 2280 elastic holes on .100 (2.54mm) centers, mounted in a rigid holder with various mounting holes for ground and voltage locations. The CM-700 has a numbered matrix grid for easy reference and includes 4 binding posts. Ideal for solderless construction of breadboard experimental circuits. Standard components are inserted into the holes and interconnections are made by using 20 or 22 AWG (0.8mm or 0.65mm) wire jumpers. Positive contact is insured by the elasticity of the holes. Easy to change circuits, just pull out.

SOLDERLESS CIRCUIT BOARD ON BASE

SOLDERLESS CIRCUIT BOARD ONLY

JUMPER WIRES

50 Preformed wires, from 1/2 to 4 inches, 20 AWG solid wire, white insulation.

JUMPER WIRES



PCBH-10

SK-25



CM-700

CM-600

CM-700

CM-600



RW-50

FEBRUARY, 1982
LIST NO. 82-37A



PRICE SCHEDULE

U.S.A. ONLY



OK MACHINE & TOOL CORPORATION • 3455 CONNER ST.
BRONX, N.Y. 10475, U.S.A. • PHONE (212) 994-6600 • TELEX 125091

Part No.	Price
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WIRE-WRAPPING BITS—MODIFIED

WB20M	\$19.36
WB22MLD	19.36
WB2275M	15.74
WB24DH	18.28
WB24SM	21.78
WB24M	15.74
WB24DHM	18.28
WB2426M	15.74
WB26SM	21.78
WB26M	15.74
WB2669M	18.28
WB26MAZ	18.28
WB2644M	21.78
WB28SHM	21.78
WB2870M	21.78
WB2829M	21.78
SB30M-B	21.78
SB30MSH-B	21.78
SB30MMK	21.78
SB30MSW	21.78
WB30MLD	21.78
WB30SHM	21.78
WB3032M	21.78
WB3032LM	21.78

WIRE-WRAPPING BITS—REGULAR

KB18	\$19.36
KB1975	19.36
KB1920LH	19.36
KB2075	18.28
KB22VLT	18.28
KB22LT	18.28
KB22	15.74
KB224LH	18.28
KB224-1	18.28
KB224	15.74
KB2444	21.78
KB24DH	18.28
KB24SW	18.28
KB24	15.74
KB2466	15.74
OK2426	15.74
KB2639	21.78
KB26	15.74
KB3032	21.78

2" LONGER BITS

KB24-5	\$23.93
KB26-5	23.93

WRAP AND SOLDER BITS

WS2022	\$19.36
WS24	19.36

GROUND STRAPPING BITS

KB224GW	\$27.73
KB26GW	27.73
KB3032GW	32.05

**WIRE-WRAPPING SLEEVES FOR
MANUAL TOOLS G100 & G200 ONLY**

S22	\$8.39
S224	8.39
S24	8.39
S26	8.39

Part No.	Price
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WIRE-WRAPPING SLEEVES

P194	\$ 7.89
P194LN	7.89
P212	7.89
P2224	5.93
P2426	5.93
P2426-5	11.91
P26LN	13.58
P3032	13.58
P3032L	13.58
P3032LN	13.58
P3032GW	13.58
OK8519	13.58

"CUT, STRIP & WRAP" TOOLS

CSWH-2	\$30.24
CSWH-3	60.48
CSWH-4	48.60
CSWH-5	60.48

"CUT, STRIP & WRAP" TOOLS (cont'd)

CSWH-6	\$48.60
CSWB-1	18.88
CSWB-2	18.88
CSWB-3	18.88
CSWB-4	18.88
CSWB-5	18.88
CSWB-6	18.88
CSWB-7	37.75
CSWB-8	37.75
CSWB-9	37.75
CSWB-10	37.75
CSWB-11	37.75
CSWB-12	37.75
CSWB-13	37.75
CSWB-14	37.75
CSWB-16	37.75
CSWB-17	37.75
CSWB-18	37.75

HAND WRAPPING TOOLS

HW-18LH	\$27.64
HW-18-19	27.64
HW-19-20LH	27.64
HW-20	20.77
HW-22	19.61
HW-22VLT	20.77
HW-2275M	18.22
HW-224	19.61
HW-224-1	20.77
HW-224-LH	20.77
HW-24	19.61
HW-24M	18.22
HW-KB24DH	20.77
HW-24DHM	20.77
HW-24SM	24.27
HW-24SW	20.77
HW-24-187	20.77
HW-2444	24.27
HW-2426	20.77
HW-2426M	20.77
HW-26	19.61
HW-26M	18.22
HW-26SM	24.27
HW-2669M	20.77
HW-2829M	24.27
HW-30	24.27
HW-30GSA	24.27
HW-30MLD	24.27
HW-3032M	24.27
HW-30M-B	24.27

Part No.	Price
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WRAPPING/UNWRAPPING TOOLS

HW-UW-18-19	\$39.97
HW-UW-20	30.25
HW-UW-22	29.49
HW-UW-2275M	29.49
HW-UW-224	30.25
HW-UW-224-1	30.25
HW-UW-224LH	29.49
HW-UW-24	29.49
HW-UW-24M	29.49
HW-UW-KB24DH	32.67
HW-UW-24DHM	30.25
HW-UW-24SM	36.32
HW-UW-24-187	30.25
HW-UW-2444	36.32
HW-UW-2426	30.25
HW-UW-26	29.49
HW-UW-26M	29.49
HW-UW-26SM	36.32
HW-UW-2829M	36.32
HW-UW-30	36.32
HW-UW-30MLD	36.32

**WRAPPING/STRIPPING
UNWRAPPING TOOL**

WSU-2224	\$15.63
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HAND UNWRAPPING TOOLS

UW-1819	\$11.85
UW1	6.62
UW1-L	6.62
UW2	9.66
UW4	8.20
UW7	6.62
UW8	9.66
UW45-1	9.66
UW52L	9.66

HAND UNWRAPPING TOOLS (cont'd)

UW52L-70L	\$9.66
UW52SE	6.62
UW120S	6.02
UW120R	6.62
UW156S	6.02
UWD120-120	9.66
UWD93-120	9.66
UW093S	6.02
UW093R	6.62
UW093L	6.62
UWD93-93	9.66
UW2832C	9.45

UNWRAP TIPS FOR HOLDER RH101

RUW-1	\$6.02
RUW-4	6.02
RUW-7	6.02

UNWRAP TOOLS

G100/R3394	\$60.76
SU2026	17.92
SU2832	17.92
2026UB	10.62
2832UB	10.62
2032	7.31

**POWER UNWRAPPING
BITS AND SLEEVES**

PUW-2226	\$17.92
PUW-2830	17.92
2026UB	10.62
2832UB	10.62
SOK2230	7.31

Part No.	Price
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MANUAL GROUND WIRE STRAPPING TOOLS

GW-224	\$29.31
GW-26	29.31
GW-30	33.11

MANUAL WIRE-WRAPPING TOOLS

G100	\$59.54
G200	39.92
G100/R3278	64.40
G200/R3278	39.92

PNEUMATIC WIRE-WRAPPING TOOLS

OK-729	\$203.67
OK-729-CSW	203.67
AW-14T-BF	178.57

ELECTRIC WIRE-WRAPPING TOOLS

EW-1B-220	\$227.89
EW-1B-220-BF	229.89
EW-7D-48	129.70
EW-7D-48-BF	133.93
EW-8-24	110.31
EW-8-24-BF	120.41
EW-8-42	110.31
EW-8-42-BF	120.41
EW-8-48	123.80
EW-8-48-BF	127.86
EW-8-48-U	126.36
EW-8-48-BF-U	130.42
EW-8	110.31
EW-8-BF	120.41
EW-8-220	110.31
EW-8-220-BF	120.41
EW-8-240	122.31
EW-8-240-BF	128.41
OK-9	135.00
OK-9-BF	142.50
OK-9-48	150.00
OK-9-48-BF	157.50
OK-9-220	135.00
OK-9-220-BF	142.50
OK-9-240	141.25
OK-9-240-BF	148.75
VIT-1	18.22

BATTERY WIRE-WRAPPING TOOLS

BW-520	\$134.17
BW-520-BF	143.27
BW-520-U	154.29
BW-520-BF-U	163.90
BW-928	63.58
BW-928-BF	67.39
BC-3-115	19.38
BC-3-230	19.38

WIRE CUT & STRIP ATTACHMENTS

STE-7-22	\$60.58
STE-7-224	60.58
STE-7-24	60.58
STE-7-26	60.58
STE-7-28	63.90
STE-7-30	63.90

REPLACEMENT BLADES

STE-7-22B	3.86
STE-7-224B	3.86
STE-7-24B	3.86
STE-7-26B	3.86
STE-7-28B	6.02
STE-7-30B	6.02

MANUAL WIRE-WRAPPING KITS

224-WWK-P	\$105.09
30-WWK	122.72

Part No.	Price
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ELECTRIC WIRE-WRAPPING KITS

224-GR	\$129.42
26-GR	147.56
28-GR	147.56
30-GR	147.56
224-KGR	152.60
30-KGR	174.31

WIRE-WRAPPING KITS

DC-22-24	\$503.82
DC-22-30PT110	822.33
DC-22-30PT220	822.33
DC-22-24-26-30	589.41

HOLSTERS

H-250	\$15.35
H-350	17.74

EXTENSIONS FOR MANUAL AND POWER TOOLS

EXT-200	\$58.57
EXT-300	58.57
EXT-400	63.43

REPAIR WORK

RS-WW-200	\$18.45
RS-WW	24.95
RS-PWW	18.45

P.C.B. HOLDER

PCBH-50	\$34.95
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PC BOARDS

PCB-1-BP	\$ 3.77
PC-01	3.01
PC-02	4.85
PC-03	4.85
PC-04	5.93
PC-05	5.71
PC-06	6.25
PC-07	7.33
PC-08	17.79

DIP SOCKETS

DIP-8	\$.72
DIP-14	.82
DIP-16	.90
DIP-18	1.16
DIP-24	1.54
DIP-36	2.31
DIP-40	2.52

CONNECTORS

CON-2	\$ 5.17
CON-3	8.09

TERMINAL PINS AND SOCKETS

23191/3/2	\$20.81
23190/3/2	9.82
22690/3/2	20.81
WWT-4-100	8.04

SOCKET WRAP-ID™

ID-14-100	\$5.80
ID-16-100	6.24
ID-18-50	4.62
ID-20-50	5.16
ID-22-50	5.63
ID-24-50	6.93
ID-28-50	8.48
ID-40-25	6.17
ID-96-25	7.56

Part No.	Price
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WIRE-WRAPPING WIRE KITS

WK-30B	\$174.96
WK-30W	174.96
WK-30Y	174.96

WIRE BIN (Only)

WB-16	\$47.80
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TWISTED PAIR WIRE

30BW-TP-020	\$ 3.55
30BW-TP-030	3.63
30BW-TP-040	3.78
30BW-TP-050	4.01
30BW-TP-060	4.22
30BW-TP-070	4.50
30BW-TP-080	4.82
30BW-TP-090	5.15
30BW-TP-100	5.69

TWISTED PAIR WIRE ROLLS

R30BWTP-0100	\$ 8.39
R30BWTP-0500	18.84
R30BWTP-1000	37.05

RIBBON CABLES

FRB-14	\$34.57
FRB-16	40.22
FRB-24	61.05

WIRE CUT AND STRIP TOOLS

ST-100-20	\$10.63
ST-100-22	10.63
ST-100	10.63
ST-100-24	10.63
ST-100-24-875	10.63
ST-100-26	10.63
ST-100-26SP	10.63
ST-100-26-875	10.63
ST-100-28	13.96
ST-100-30	13.96
ST-100-30SP	13.96
OK-3907-20	9.72
OK-3907-22	9.72
OK-3907	9.72
OK-3907-24	9.72
OK-3907-26	9.72
OK-3907-26SP	9.72
OK-3907-28	11.56
OK-3907-30	11.56

REPLACEMENT BLADES

OK-3907-20B	\$1.62
OK-3907-22B	1.62
OK-3907B	1.62
OK-3907-24B	1.62
OK-3907-26B	1.62
OK-3907-28B	3.24
OK-3907-30B	3.24

BLADE SUPPORTS

OK-3907-BS-224	\$1.62
OK3907-BS-1920	3.24
OK3907-BS-2030	1.62

KYNAR™ WIRE-WRAPPING WIRE PRE-CUT, PRE-STRIPPED

					Price
Blue	White	Yellow	Red	Black	
30B-010	30W-010	30Y-010	30R-010	30BLK-010	\$ 5.93
30B-015	30W-015	30Y-015	30R-015	30BLK-015	6.30
30B-020	30W-020	30Y-020	30R-020	30BLK-020	6.70
30B-025	30W-025	30Y-025	30R-025	30BLK-025	7.08
30B-030	30W-030	30Y-030	30R-030	30BLK-030	7.45
30B-035	30W-035	30Y-035	30R-035	30BLK-035	7.82
30B-040	30W-040	30Y-040	30R-040	30BLK-040	8.20
30B-045	30W-045	30Y-045	30R-045	30BLK-045	8.60
30B-050	30W-050	30Y-050	30R-050	30BLK-050	8.97
30B-060	30W-060	30Y-060	30R-060	30BLK-060	9.72
30B-070	30W-070	30Y-070	30R-070	30BLK-070	10.48
30B-080	30W-080	30Y-080	30R-080	30BLK-080	11.24
30B-090	30W-090	30Y-090	30R-090	30BLK-090	12.00
30B-100	30W-100	30Y-100	30R-100	30BLK-100	12.75

WIRE ROLLS

R30B-0100	R30W-0100	R30Y-0100	R30R-0100	R30BLK-0100	4.44
R30B-0500	R30W-0500	R30Y-0500	R30R-0500	R30BLK-0500	12.64
R30B-1000	R30W-1000	R30Y-1000	R30R-1000	R30BLK-1000	20.44

			Price
Blue	White	Yellow	
28B-010	28W-010	28Y-010	\$ 6.38
28B-015	28W-015	28Y-015	6.84
28B-020	28W-020	28Y-020	7.30
28B-025	28W-025	28Y-025	7.77
28B-030	28W-030	28Y-030	8.20
28B-035	28W-035	28Y-035	8.67
28B-040	28W-040	28Y-040	9.12
28B-045	28W-045	28Y-045	9.57
28B-050	28W-050	28Y-050	10.03
28B-060	28W-060	28Y-060	10.94
28B-070	28W-070	28Y-070	11.85
28B-080	28W-080	28Y-080	12.75
28B-090	28W-090	28Y-090	13.67
28B-100	28W-100	28Y-100	14.58

WIRE ROLLS

R28B-0100	R28W-0100	R28Y-0100	4.92
R28B-0500	R28W-0500	R28Y-0500	15.62
R28B-1000	R28W-1000	R28Y-1000	25.64

			Price
Blue	White	Yellow	
26B-010	26W-010	26Y-010	\$ 6.99
26B-015	26W-015	26Y-015	7.56
26B-020	26W-020	26Y-020	8.11
26B-025	26W-025	26Y-025	8.67
26B-030	26W-030	26Y-030	9.24
26B-035	26W-035	26Y-035	9.78
26B-040	26W-040	26Y-040	10.34
26B-045	26W-045	26Y-045	10.92
26B-050	26W-050	26Y-050	11.45
26B-060	26W-060	26Y-060	12.57
26B-070	26W-070	26Y-070	13.67
26B-080	26W-080	26Y-080	14.81
26B-090	26W-090	26Y-090	16.46
26B-100	26W-100	26Y-100	17.02

WIRE ROLLS

R26B-0100	R26W-0100	R26Y-0100	5.29
R26B-0500	R26W-0500	R26Y-0500	16.77
R26B-1000	R26W-1000	R26Y-1000	28.12

		Price
White	Yellow	
24W-010	24Y-010	\$11.20
24W-015	24Y-015	11.96
24W-020	24Y-020	12.38
24W-025	24Y-025	13.29
24W-030	24Y-030	14.33
24W-035	24Y-035	15.01
24W-040	24Y-040	16.05
24W-045	24Y-045	17.07
24W-050	24Y-050	17.88
24W-060	24Y-060	19.34
24W-070	24Y-070	20.83
24W-080	24Y-080	22.72
24W-090	24Y-090	25.82
24W-100	24Y-100	27.22

WIRE ROLLS

R24W-0100	R24Y-0100	7.89
R24W-0500	R24Y-0500	25.52
R24W-1000	R24Y-1000	45.44

Part No.	Price
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QUALIFICATION ACCESSORIES

R4008	\$30.24
7235	22.36
51TMA-500	30.24
52TMI-500	18.11
25TT-500	22.64
UP25TT-500	12.03
45TT-500	34.93
UP45TT-500	20.53
22MA-500	30.24
24MI-500	28.76
26MA-500	\$ 25.86
28MI-500	22.45
30MI-500	22.45
811T	648.00
PG-14	486.00
PG-14-1	486.00
PG-14T25	32.40
PG-14T45	32.40
PG-75	80.23
PG-75-1	80.23
PG-75T25	14.66
PB-75T45	14.66

AIR REGULATING SYSTEMS

LRF528	\$96.74
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TOOL BALANCER

No. 20	\$26.46
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"B" CONNECTORS

B200-1	\$14.58
B200-2	27.54
B200	51.84
BJF-200-1	21.06
BJF-200-2	38.88
BJF-200	74.52

DESOLDERING PUMPS

SP-50	\$20.77
MP-25	20.77
SP2-19	3.47
MP2-20	4.14

CABLE STRIPPING TOOL

CST 55	\$25.92
RB-55	8.64

MAIN FRAME BAG

D-G14	\$47.30
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WIRE REEL HOLDER

RK315	\$22.58
RK420	25.13

TEFZEL™ WIRE-WRAPPING WIRE

AWG	Feet	Blue	Yellow	White	Price
24	100	CSW24B-0100	CSW24Y-0100	CSW24W-0100	\$ 9.32
24	500	CSW24B-0500	CSW24Y-0500	CSW24W-0500	40.05
26	100	CSW26B-0100	CSW26Y-0100	CSW26W-0100	6.54
26	500	CSW26B-0500	CSW26Y-0500	CSW26W-0500	30.01
30	100	CSW30B-0100	CSW30Y-0100	CSW30W-0100	5.83
30	500	CSW30B-0500	CSW30Y-0500	CSW30W-0500	17.90

KYNAR™ PENNWALT

TEFZEL™ DUPONT

Part No. Price

ELECTRONIC PLIERS

2111-4	\$19.80
2112-4	19.80
2411-4	14.64
2412-4	18.51
2418-6	23.48

I.C. DISPENSERS

MDD-1	\$25.28
MDD-5	96.53
MDD-10	186.66

MINI-SHEARS & PLIER

SP-151	\$ 3.61
MS-01	4.63
SP-152	4.14
MS-01 CLP	5.26
MNP-01	4.83
SP-914	19.22

BINDING POSTS

BP-R-100	\$43.20
BP-BK-100	43.20
BP-Y-100	43.20
BP-GN-100	43.20

BATTERY-WRAP TOOLS

BW-630	\$39.91
BW-2628	46.39
BW-2630	23.71
BT-30	4.53
BT-2628	9.17

PRE-STRIPPED WIRE

30-B-50-010	\$1.39
30-Y-50-010	1.39
30-W-50-010	1.39
30-R-50-010	1.39
30-B-50-020	1.50
30-Y-50-020	1.50
30-W-50-020	1.50
30-R-50-020	1.50
30-B-50-030	1.61
30-Y-50-030	1.61
30-W-50-030	1.61
30-R-50-030	1.61
30-B-50-040	1.72
30-Y-50-040	1.72
30-W-50-040	1.72
30-R-50-040	1.72
30-B-50-050	1.83
30-Y-50-050	1.83
30-W-50-050	1.83
30-R-50-050	1.83
30-B-50-060	1.93
30-Y-50-060	1.93
30-W-50-060	1.93
30-R-50-060	1.93

Part No. Price

WIRE DISPENSERS

WD-30-TRI	\$9.17
WD-30-B	5.93
WD-30-Y	5.93
WD-30-W	5.93
WD-30-R	5.93

REPLACEMENT ROLLS

R-30-TRI	\$7.01
R-30B-0050	3.77
R-30Y-0050	3.77
R-30W-0050	3.77
R-30R-0050	3.77

ADJUSTABLE WIRE DISPENSERS

AD-24-B	\$13.99
AD-24-Y	13.99
AD-30-B	13.99
AD-30-Y	13.99

REPLACEMENT ROLLS

R-AD-24-B	\$4.85
R-AD-24-Y	4.85
R-AD-30-B	4.85
R-AD-30-Y	4.85

REPLACEMENT BLADES

RSB-24	\$2.47
RSB-30	2.47

CLIP AND STRIP TOOL

CAS-130	\$2.37
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WIRE WRAPPING KITS

WK-2-B	\$15.07
WK-2-Y	15.07
WK-2-W	15.07
WK-2-R	15.07
WK-3B	19.39
WK-4B	30.19
WK-5	86.35
WK-7	37.75
WK-11	26.95

HOOK-UP WIRE

HK-18	\$1.50
HK-20	1.29
HK-22	1.61
HK-24	1.61
HK-26	1.61
SHK-18	1.50
SHK-20	1.29
SHK-22	1.61
SHK-24	1.61
SHK-26	1.61

MINI SHEARS

MS-10	\$5.35
MS-20	6.43

Part No. Price

WIRE CUT AND STRIP TOOLS

ST-300	\$11.33
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REPLACEMENT BLADES

ST-300-B	\$4.27
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VACUUM VISE

VV-1	\$4.09
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DIP SOCKETS

14 DIP	\$.96
16 DIP	1.07
24 DIP	1.83
36 DIP	2.91
40 DIP	3.45

RIBBON CABLE ASSEMBLIES

DE 14-2	\$4.63
DE 14-4	4.74
DE 14-8	4.85
DE 14-12	4.96
DE 14-16	5.07
DE 14-24	5.28
DE 16-2	5.07
DE 16-4	5.28
DE 16-8	5.39
DE 16-12	5.50
DE 16-16	5.61
DE 16-24	5.71
DE 24-6	7.44
DE 24-8	7.98
DE 24-12	8.52
DE 24-16	8.63
DE 24-24	9.49
SE 14-24	4.31
SE 14-48	5.28
SE 16-24	4.63
SE 16-48	5.39

DIP PLUGS AND COVERS

14-PLG	\$2.15
16-PLG	2.37
24-PLG	3.55

RIBBON CABLES

RC-1460	\$3.45
RC-1660	3.77
RC-2460	5.07

JUST WRAP TOOLS

JW-1-B	\$17.23
JW-1-W	17.23
JW-1-Y	17.23
JW-1-R	17.23

REPLACEMENT ROLLS

R-JW-B	\$3.55
R-JW-W	3.55
R-JW-Y	3.55
R-JW-R	3.55

Part No.	Price
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UNWRAPPING TOOL FOR JUST WRAP

JUW-1	\$4.09
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JUST WRAP KIT

JWK-6	\$29.11
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CONNECTOR

CON-1	\$5.17
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DIGITAL LOGIC PROBE AND PULSER

PRB-1	\$43.15
PLS-1	59.35
PC-1	6.43
PC-2	11.83
PA-1	10.75
PT-2	2.11

CIRCUIT MOUNTS

CM-100	\$30.19
CM-200	19.39
CM-300	11.83
CM-400	3.19
CM-500	2.11
CM-600	8.59
CM-700	13.99
RW-50	3.45

BINDING POSTS

BP-4	\$2.14
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HOBBY-WRAP TOOLS

WSU-30	\$8.09
WSU-30M	9.17

Part No.	Price
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DIP IC INSERTION/EXTRACTION TOOLS

INS-1416	\$ 4.27
MOS-1416	9.67
MOS-2428	9.67
MOS-40	10.75
EX-1	2.11
EX-2	10.75
WK-7	37.75
WK-8	151.15
WK-11	26.95

WRIST STRAP

WRS-1	\$6.43
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P.C.B. ACCESSORIES

TR-1	\$2.47
TRS-2	4.85
TS-4	2.14
TS-8	3.22
TS-12	4.30
TS-6MD	2.37

P.C.B. HOLDER

PCBH-10	\$7.51
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"PC" BOARDS

H-PCB-1	\$5.93
A-PC-01	4.85
A-PC-02	7.33
A-PC-03	7.33
A-PC-04	9.49
A-PC-05	8.62
A-PC-06	9.70
A-PC-07	10.78

TERMINAL PINS AND SOCKETS

WWT-1	\$6.79
WWT-2	4.09
WWT-3	6.79
WWT-4	2.69

Part No.	Price
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TERMINAL INSERTING TOOL

INS-1	\$3.22
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SOCKET WRAP-I.D.™

14-ID	\$1.83
16-ID	1.83
18-ID	1.83
20-ID	1.83
22-ID	1.83
24-ID	1.83
28-ID	1.83
40-ID	1.83
96-ID	1.83

ELECTRONIC KITS

EK-1	\$10.69
EK-2	12.84
EK-3	16.09
EK-4	14.90
EK-5	7.03

SOLDERING ACCESSORIES

SK-14	\$ 2.15
SK-15	3.99
SK-20	8.59
SK-25	15.07

DESOLDERING TOOL

DP-1	\$11.83
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REPLACEMENT TIP

DPT-1	\$2.47
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ORDERING INFORMATION

PAYMENT TERMS: Net 30 days
 Upon Credit Approval

SHIPMENTS: FOB Bronx, New York

MINIMUM BILLING: \$50 per order.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

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Phoenix Tri-Tec, Inc. (602) 995-9352
Phoenix Electronic Distributors (602) 955-8303
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Tempe Henry Mann Jensen Tools (602) 968-6241
Tempe Wassco (602) 829-0351
Tucson Ancrona (602) 881-2348

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Fort Smith Carlton-Bates Co. (501) 646-8201
Little Rock Carlton-Bates Co. (501) 562-9100
Pine Bluff Carlton-Bates Co. (501) 535-1354
Springdale Carlton-Bates Co. (501) 756-5012

CALIFORNIA

Anaheim Henry Mann Inc. (714) 955-2122
Anaheim R & D Electronics Supply (714) 773-0240
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Belmont Air Tool & Control (415) 593-1858
Berkley Al Lashers Electronics (415) 843-5815
Buena Park Dow Radio Inc. (714) 521-1906
Costa Mesa WASSCO (714) 546-5360
Costa Mesa MARVAC Electronics (714) 540-3280
Culver City Ancrona (213) 390-3595
Duarte Page Digital Electronics (213) 357-5005
El Segundo WASSCO (213) 772-8171
Fremont George L. Oliver Co. (415) 651-6720
Glendale MacDonald & Co. (213) 241-1101
Los Angeles Energy Elect. & Prod. Corp. (213) 670-7880
Los Angeles Southern Tel. Supply Co. (213) 912-4521
Oakland Brill Electronics (415) 834-5888
Oxnard Dow Radio Inc. (805) 486-6353
Orange Electronic Connexions (714) 997-0121
Panorama City Panorama Electronics (213) 894-2248
Palo Alto Zack Electronics (415) 326-5432
Pasadena Dow Radio Inc. (213) 681-3416
Riverside Electronics Warehouse (714) 686-6186
Sacramento ZACKIT Electronics (916) 446-3131
Santa Ana Advanced Computer Products (714) 558-8822
Santa Ana Ancrona (415) 547-8424
Santa Clara Anchor Electronics (408) 727-3693
Santa Clara Electronic Mfg. Serv. (408) 727-3085
Santa Clara Quest Electronics (408) 988-1640
San Diego WASSCO (714) 578-2102
San Francisco ZACK Electronics (415) 626-1444
San Jose KB Tool & Supply (408) 294-8361
San Jose Air Tool Technology (408) 241-1119
San Jose Devtek (408) 295-2005
Sepevelda H.C. Electronics (213) 891-7829
Sunnyvale Conn-Kyl (408) 734-8660
Sunnyvale Lalted Specialties (408) 732-4900
Sunnyvale Ancrona (408) 243-4121
Sunnyvale Sunnyvale Electronics (408) 736-1323
Redwood City Air Tool Control (415) 361-8181
Torrance Fuji-Svea (213) 533-1221
West Lake Village Austin Tel-Mar Inc. (213) 889-9236

COLORADO

Colorado Springs Centennial Electronics Inc. (303) 633-4666
Denver Gateway Electronics Inc. (303) 458-5444
Denver C.W. Electronics Sales Co. (303) 832-1111

CONNECTICUT

Greenwich Wise Components Inc. (203) 531-4880
Norwalk Park Distributors Inc. (203) 853-2010

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Wilmington Wholesale Electronics (302) 656-9988

DISTRICT OF COLUMBIA

Washington W.S. Jenks & Son (202) 529-6020

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Dania Summit (305) 920-6253
Fort Lauderdale Howard Associates (305) 771-0817
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Fort Lauderdale Norm Black Associates (305) 523-0516
Fort Lauderdale Simmon Elec. Products Co. (305) 485-4455
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Vero Beach Henry Mann Inc. (305) 569-5200

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Atlanta Ancrona (404) 261-7100
Norcross Southern Tel. Supply Co. (404) 447-8410
Stone Mountain Colemans Electronics (404) 296-7447

HAWAII

Honolulu Electrical Equipment Co. (808) 533-3884
Honolulu Industrial Electronics (808) 533-6095
Honolulu Electronics (808) 949-5564
Wahiawa George Electronics (808) 622-4403

ILLINOIS

Arlington Heights Modified Tools Inc. (312) 640-6710
Champaign Klaus Radio, Inc. (217) 356-1896
Chicago Electronic Distributors Inc. (312) 283-4900
Chicago Howard Electronic Sales (312) 254-1777
Chicago R.W. Electronics (312) 248-2480
Glen Ellyn H.F. Wilson Eng. Co. (312) 469-8473
Harvey George Electronics Inc. (312) 331-1983
Mt. Prospect Tri State Electronics Corp. (312) 255-0600
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Ft. Wayne Southern Tel. Supply Co. (219) 482-9161
Hammond Electronic Distributors Inc. (219) 932-8410
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Lafayette C.W.Y. Electronics (317) 448-1611
South Bend Radio Distributing Co. (219) 287-2911
Terre Haute Midwest Supply Electronics (812) 232-0187

IOWA

Ames Electronic Supply Inc. (515) 232-7020
Cedar Rapids Iowa Radio Supply Co. (319) 393-4510

KANSAS

Lenexa North Supply Co. (913) 888-9800

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Louisville Peerless Electronic Co. Inc. (502) 637-7674

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Lafayette Ralphs' Ind'l. Elec. Inc. (318) 234-4507
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Lake Charles Ralphs' Ind'l. Elec. Inc. (318) 439-2483
Morgan City Ralphs' Ind'l. Elec. Inc. (318) 384-9831
New Iberia Ralphs' Ind'l. Elec. Inc. (318) 369-9816
New Orleans Wm. B. Allen Supply Co. Inc. (504) 525-8222
Shreveport Industrial Electronic Supply (318) 222-9459

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Columbia Technico Inc. (301) 985-1995
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Towson Baynesville Electronic Inc. (301) 823-0082

MASSACHUSETTS

Boston Hub Material Co. (617) 542-7531
Burlington Contact East (617) 272-5051
Cambridge Kaufman Co. (617) 491-5500
Danvers Dancomp Industrial Park (617) 777-3700
Frammingham Chase Parker & Co. (617) 884-8000
Frammingham Woodis Supply (617) 791-3121
Leominster Fitchburg Industrial (617) 534-4956
Lynn Land Electronics Supply (617) 582-2220
Needham YDI Electronics (617) 449-1005
Woburn CNC Electronics Division (617) 933-0090
Worcester RM Electronics, Inc. (617) 756-8311

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Flint Shand Electronics, Inc. (313) 743-8940

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Burnsville Electronic Tool Supply Co. (612) 894-3700
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St. Paul Ragon Electronics (612) 488-0201
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Brideton H.F. Wilson Engineering (314) 291-5555
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NEBRASKA

Lincoln Centel Supply Co. (402) 467-5283
Lincoln Southern Tel. Supply Co. (402) 423-0584
Lincoln Scott Electronic Supply (402) 466-8221
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Teterboro Route 46 Electronics Inc. (201) 256-8555
Trenton NIDISCO, Inc. (609) 396-3505
Union City NIDISCO, Inc. (201) 863-8470

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Albuquerque Connecting Comp. Corp. (505) 265-5661
Albuquerque Electronics Parts Co. (505) 293-6161
Las Cruces Mannies (505) 524-3646

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Baldwin Aldelco (516) 378-4555
Bayshore Long Island Elec. Supply (516) 666-7360
Buffalo Radio Equip. Corp. (716) 874-2690
Buffalo Summit (201) 862-8100
Brooklyn Summit Machine & Tool (212) 389-5000
Brooklyn Irv Morse Sales (212) 444-4974
Cortland Rotelcom Supply (607) 756-7511
Farmingdale Fordham Radio Inc. (516) 752-0050
Farmingdale Gem Electronics (516) 249-6996
Farmingdale Kelvin Electronics (516) 249-4646
Flushing Manfried Elec. (212) 762-7777
Freeport K.R.P. Electronics (516) 623-3346
Great Neck TW Communications Corp. (516) 827-8100
Hauppauge Broadline Electronics (516) 231-4100
Hempstead Davis Electronics Corp. (516) 483-9200
Islip Air Powered Tool (516) 277-1480
Jamaica Norman Radio Dist. Inc. (212) 739-4651
Jericho Heathkit Electronics Center (516) 334-8181
Levittown Edlie Electronics (516) 735-3330
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Manuel C & S Electronics - 59 (914) 822-3868
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Pleasantville Electronic Tool Corp. (914) 769-8070
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Rochester Simcona Electronics Corp. (716) 328-3230
Rochester Compuworld (716) 424-6260
Rochester Summit (716) 334-8110
Richmond Hill Anchor Electronics (212) 846-2420
Schenectady Grimmers Elect. Sup. Corp. (518) 374-8480
Syracuse E. EMTAC (315) 475-5113
Westbury Kleeban Tool Co. (516) 333-6220
Yonkers All-Tec Tool Co. (914) 779-1572

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Knightdale Industrial Power Sales (919) 876-6115
Lexington Power & Tel. Supply Co. (704) 249-0256
Welcome Walker & Assoc. Inc. (704) 731-6396

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Fargo Dakota Electric Supply Co. (701) 237-9440

OHIO

Akron Famous Tel. Supply Co. (216) 762-8811
Akron Sun Radio (216) 434-2171
Cincinnati United Radio Inc. (513) 761-4030
Columbus Buckeye Tel. Supply (614) 276-8131
Dayton ICRTA (513) 223-9604

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Oklahoma City Trice Wholesale Electronics (405) 524-9111
Tulsa Radio Inc. (918) 587-9123
Tulsa Combined Technology Co. (918) 582-8242

OREGON

Corvallis Dream Electronics (503) 752-4833
Portland Portland Radio Supply (503) 228-8647
Pendleton Round-Up Electronics (503) 276-3152

Lake Oswego Com-Kyl Inc. (503) 636-8175
Beaverton Norvac Electronics (503) 644-1025
Portland Anconra (503) 254-5541

PENNSYLVANIA

Braddock Leff Electronics (412) 351-5000
Carlisle Cumberland Electronics (717) 243-8006
Forty Fort Sterling Products (717) 288-7471
Greensburg Leff Electronics (412) 834-5400
Harrisburg Cumberland Electronics (717) 232-9715
Huntington Valley Henry Mann Inc. (215) 355-7200
Lancaster Barbey Electronics (717) 392-6130
Lebanon Barbey Electronics (717) 272-0881
Lewistown Cumberland Electronics (717) 249-9631
Plymouth Meeting Techni-Tool (215) 825-4990
Pottstown Barbey Electronics (215) 326-9097
Pottsville Moyer Elec. Supply (717) 822-7866
Reading Barbey Electronics (717) 376-6116
York Cumberland Electronics (717) 845-8791

RHODE ISLAND

Cranston Jabour Elec. Supply (401) 944-2570
Pawtucket Jabour Elec. Supply (401) 728-4600
Providence Brain Supply (401) 272-6400
Providence Bm. Dandreta Co. (401) 861-2800

TENNESSEE

Jackson Power Telephone Supply Co. (901) 423-0071
Memphis Bluff City Electronics (901) 345-9500
Memphis Power Telephone Supply Co. (901) 324-6116
Memphis Southern Tel. Supply Co. (901) 346-7312
Nashville Currey's Inc. (615) 242-4221
Nashville Carlton Bates Co. (615) 244-3562

TEXAS

Austin Electrotex (512) 454-5306
Austin Gaitronics, Inc. (512) 347-7474
Beaumont Ralph's Ind'l Elec. Inc. (713) 833-9443
Bryan Mid-State Elec. Sup. (713) 779-1226
Corpus Christi Douglas Electronics (512) 883-5103
Corpus Christi Electrotex (512) 854-5306
Dallas Roundure Co. (214) 630-4621
Dallas Electrotex (214) 234-0433
Dallas Roy E. Davis & Co. (214) 688-0652
Dallas Southern Tel. Supply Co. (214) 358-1582
Dallas Specialized Products (214) 358-4663
El Paso Ideal Industrial Elec. (915) 779-6647
Garland Texocom (214) 272-4511
Grand Prairie Central Industrial Supply (214) 242-1891
Houston Electrotex (713) 526-3446
Houston Specialized Products (713) 789-6610
Houston City Electronic Supply (713) 621-1060
Houston Texocom (713) 697-0055
Houston Ralph's Ind'l Elec. Inc. (713) 401-0267
Houston Gateway Electronics (713) 978-6575
Houston (713) 529-3489
Houston Electronic Industry Sales (713) 526-3431
Houston Ace Electronic Parts (713) 526-1114
Lufkin Electrotex (713) 632-4409
Midland E.S.I. Supply (915) 694-9657
San Antonio Douglas Electronics (512) 224-3056
San Antonio Sherman Electronics Supply (512) 224-1001
Waco Hargis (817) 754-5667
San Antonio Electrotex (512) 735-9271

UTAH

Salt Lake City Standard Supply Co. (801) 486-3331
Provo Central Utah Elec. Supply (801) 373-7527

VIRGINIA

Annandale Arcade Elec. Inc. (703) 256-4610
Arlington Arlington Elec. Wholesaler (703) 524-6256
Norfolk Priest Electronics, Inc. (804) 855-0105
Portsmouth Distributors Inc. (804) 399-2446
Roanoke General Electric Supply (703) 536-4991

W. VIRGINIA

Morgantown The Computer Corner (304) 292-9700

WASHINGTON

Seattle Radar Electric Co., Inc. (206) 282-2511
Seattle United Products Inc. (206) 882-5025
Seattle Fidelity Northwest Inc. (206) 575-0604
Seattle Amateur Radio Supply Co. (206) 767-3222
Spokane Camr Supply & Equip. Inc. (509) 489-3615

WISCONSIN

Appleton Midwest Tel. Supply (414) 739-6341
Englewood Amusement Emporium Inc. (303) 771-0885
Madison Schrenk Sales Co. (608) 255-7400
Mequon Taylor Electric Company (414) 241-4321

PUERTO RICO

Isla Verde Comco De Puerto Rico (809) 727-5552

CANADA

Downsview Len Finkler (416) 630-9103
Kingston Electronic Pack Sys. LTD (514) 341-3700
Montreal Nedco (514) 341-3700
Toronto AEL Microtel (416) 757-2861
Weston W.J. Neil Sales (416) 743-1713

"OK" PRODUCTS ARE ALSO AVAILABLE FROM THE FOLLOWING NATIONAL DISTRIBUTORS
(CONTACT THE FOLLOWING HEADQUARTERS FOR THE NEAREST BRANCH OFFICE)

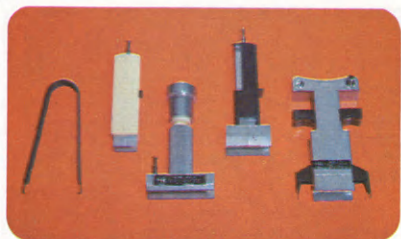
ALLIED ELECTRONICS
(817) 336-5401

ANIXTER-PRUZAN
(312) 677-2600

GRAYBAR ELECTRIC
(212) 687-4000

MARSHALL CLAUDE MICHAEL
(213) 686-0141

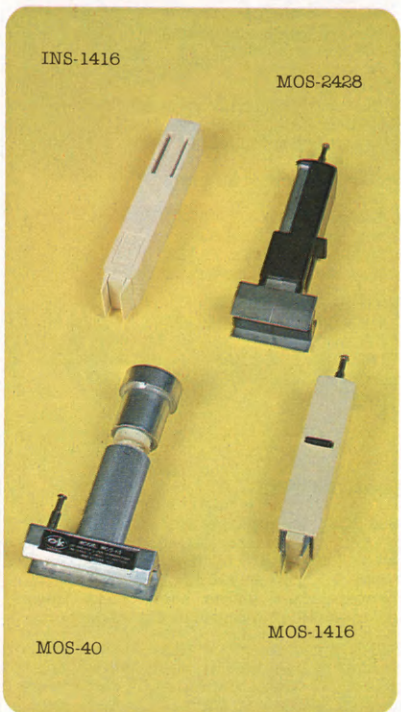
NEWARK ELECTRONICS
(312) 638-4411



WK-7

IC INSERTION/EXTRACTION KIT

The WK-7, a kit of DIP IC inserters and extractors to accommodate all IC's from 14-40 pins. All tools are CMOS safe and include grounding lugs where appropriate. The kit consists of extractors EX-1 for 8-24 pin devices, and EX-2 for 24-40 pin chips, plus inserters MOS-1416, MOS-2428, and MOS-40 for 14-16, 24-28 and 36-40 pin IC's respectively. Economically priced.

IC INSERTION/EXTRACTION KIT

INS-1416

DIP IC INSERTION TOOLS WITH PIN STRAIGHTNER

Narrow profile permits tool to work on densely spaced patterns while unique insertion mechanism assures accuracy as well as excellent "feel". Finally the tool includes a remarkable pin straightener built into the handle.

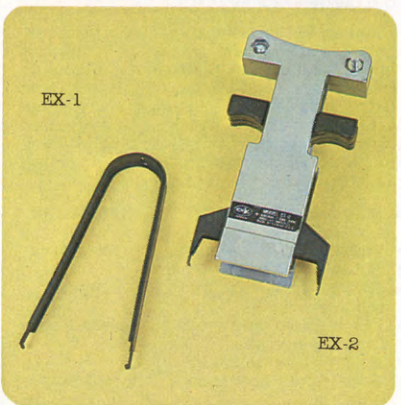
14-16 PIN**DIP IC INSERTER**

For highly sensitive MOS & CMOS IC's. Ground strap may be easily attached. Durable chrome plated ABS construction features precision parts for long life and easy one-hand operation.

MOS-1416
MOS-2428**14-16 PIN
24-28 PIN****MOS, CMOS SAFE INSERTER
MOS, CMOS SAFE INSERTER****36-40 PIN CMOS-SAFE IC INSERTION TOOL**

Unique new insertion tool. Also aligns bent-out pins. A twist of the handle compresses the pins to proper .600 inch spacing and locks the IC into the tool. Then simply place the tool on the socket and depress the plunger for instant and accurate insertion. Features heavy chrome plating throughout for reliable static dissipation. Includes terminal lug for attachment of ground strap. GROUND STRAP NOT INCLUDED

MOS-40

36-40 PIN CMOS SAFE INSERTER

EX-1

DIP IC EXTRACTOR TOOL

The EX-1 Extractor is ideally suited for hobbyist or lab engineer. Featuring one piece spring steel construction. It will extract all LSI, MSI and SSI devices of from 8 to 24 pins.

EXTRACTOR TOOL**CMOS-SAFE DIP IC EXTRACTOR TOOL**

Extracts all 24-40 pin DIP IC's having standard .600" widths, including MOS and CMOS devices. Easy one-handed operation, heavily chrome plated for static dissipation. Terminal lug for attaching a ground strap (strap not included).

EX-2

EXTRACTOR TOOL

PRB-1**DIGITAL LOGIC PROBE**

Compatible with DTL, TTL, CMOS, MOS and Micro-processors using a 4 to 15V power supply. Thresholds automatically programmed. Automatic resetting memory. No adjustment required. Visual indication of logic levels, using LED's to show high, low, bad level or open circuit logic and pulses. Highly sophisticated, shirt pocket portable (protective tip cap and removable coil cord). Eliminates need for heavy test equipment. A definite savings in time and money for Engineer and Technician.

- DC to > 50 MHZ
- 10 Nsec. pulse response
- 120 K Ω impedance
- Automatic pulse stretching to 50 Msec.
- Automatic resetting memory
- Open circuit detection
- Automatic threshold resetting
- Compatible with all logic families 4-15 VDC
- Range extended to 15-25 VDC with optional PA-1 adaptor
- Supply O.V.P. to ± 70 VDC
- No switches/no calibration

PRB-1

PC-1

PC-2

PA-1

PT-2

DIGITAL LOGIC PROBE

POWER CORD WITH ALLIGATOR CLIPS

POWER CORD WITH MICRO HOOKS

HIGH VOLTAGE ADAPTOR, 15-25V

REPLACEMENT PROBE TIP (2 PIECES)

PLS-1**LOGIC PULSER**

The PLS-1 logic pulser will superimpose a dynamic pulse train (20 pps) or a single pulse onto the circuit node under test. There is no need to unsolder pins or cut printed-circuit traces even when these nodes are being clamped by digital outputs.

PLS-1 is a multi-mode, high current pulse generator packaged in a hand-held shirt pocket portable instrument. It can source or sink sufficient current to force saturated output transistors in digital circuits into the opposite logic state.

Signal injection is by means of a pushbutton switch near the probe tip. When the button is depressed, a single high-going or low-going pulse of 2 μ sec wide is delivered to the circuit node under test. Pulse polarity is automatic: high nodes are pulsed low and low nodes are pulsed high. Holding the button down delivers a series of pulses of 20 pps to the circuit under test.

- Multi-family RTL, DTL, TTL, CMOS, MOS and Micro-processors
- Multi mode-single pulses or pulse trains
- Automatic polarity sensing
- Automatic current limiting; .7 amps nominal
- Automatically programmed output level
- Circuit powered
- No adjustments required
- High input impedance (off state) 1 meg ohm

- Low output impedance (active state) 2 ohms
- Output pulse width 2 μ sec nominal
- Input over voltage protection + 50 volts
- Finger tip push button actuated
- Power lead reversal protection

PLS-1**LOGIC PULSER**



WK-8

CIRCUIT TROUBLESHOOTING KIT

Circuit troubleshooting kit consists of:

- EX-1 8-24 Pin IC extractor
- EX-2 24-40 Pin IC extractor
- MOS-1416 14-16 Pin IC Inserter
- MOS-2428 24-28 Pin IC Inserter
- MOS-40 36-40 Pin IC Inserter
- WRS-1 ANTI-STATIC Wrist Strap
- PRB-1 Digital Logic Probe
- PLS-1 Digital Logic Pulsar

Kit is ideal for everyone dealing with PC boards, IC's, Circuits, etc; and can be used by electronic service technicians, field tech's and lab engineers. Detailed operational manual for Digital Logic Probe and Digital Logic Pulsar included.

CIRCUIT TROUBLESHOOTING KIT



WRS-1

WRIST STRAP

This personal grounding strap is an essential part of static proofing the electronic work station for assembly workers and laboratory personnel. The strap is easily attached to the operator with a bead chain and to an anti-static work surface with the battery clip. Protects sensitive components from any static charge generated by the operator. Built into the flexible wire wrist strap is a 1 meg-ohm resistor to prevent shock hazard to the operator.

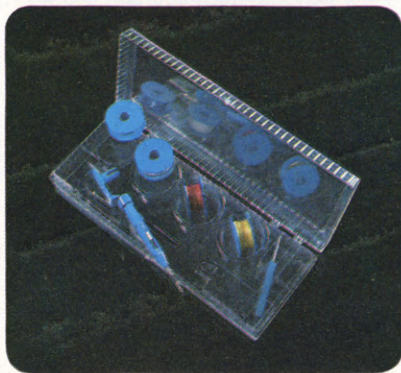
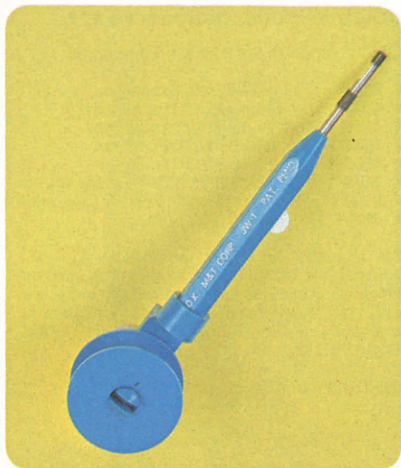
WRIST STRAP



IC DISPENSERS ARE STATIC SAFE

MDD series of DIP IC dispensers for MOS and CMOS as well as standard devices. The dispensers offer flexibility and convenience to such a unique degree that they are patented. Each channel easily accepts any standard IC shipping tube, and can accommodate any standard IC from 2-42 pins on 300, 400 or 600 centers. Adjustable guides position each IC individually for easy extraction, and simple gravity feed assures reliable deposit of next IC into extraction position after previous IC is removed. Ruggedly made of unique conductive carbon-filled thermoplastic with steel supports, the MDD design assures effective static dissipation (a grounding lug is included) as well as long and reliable performance. Available in 1, 5 and 10-channel versions, the dispensers will greatly facilitate any IC handling or PCB assembly process.

MDD-1	1 Channel Dispenser
MDD-5	5 Channel Dispenser
MDD-10	10 Channel Dispenser



JUST WRAP TOOLS

WHY CUT? WHY STRIP? WHY SLIT?
WHY NOT ... JUST WRAP

WIRE
WRAPPING
TOOL

**JUST
WRAP™**

- AWG 30 Wire
- .025" Square Posts
- Daisy Chain or Point To Point
- No Stripping or Slitting Required
- ... JUST WRAP ...
- Built in Cut Off
- Easy Loading of Wire
- Available Wire Colors:
Blue, White, Red & Yellow

JUST WRAP Wire-Wrapping

traditional Wire-Wrapping

JUST WRAP Wire-Wrapping



TRADITIONAL Wire-Wrapping



JUST WRAP TOOL

PART NO.	COLOR
JW-1-B	BLUE
JW-1-W	WHITE
JW-1-Y	YELLOW
JW-1-R	RED

REPLACEMENT ROLL OF WIRE 50 FT.

R-JW-B	BLUE
R-JW-W	WHITE
R-JW-Y	YELLOW
R-JW-R	RED

JWU-1 JUST WRAP-UNWRAPPING TOOL

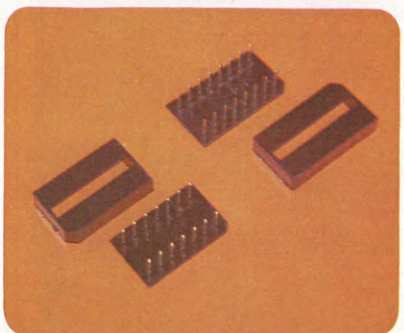
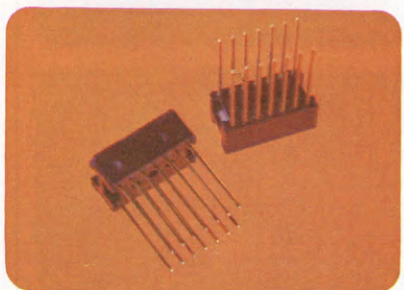
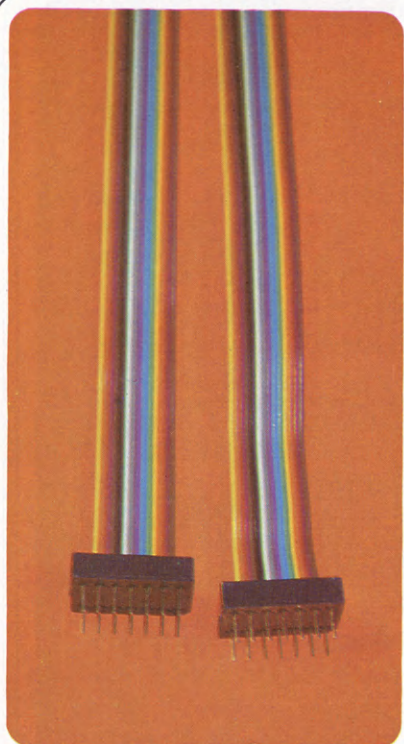
JUST WRAP KIT

CONTAINS:

- JUST WRAP Tool
- Roll of Blue Wire, 50 ft.
- Roll of White Wire, 50 ft.
- Roll of Yellow Wire, 50 ft.
- Roll of Red Wire, 50 ft.
- Unwrapping Tool

JWK-6

JUST WRAP KIT



RIBBON CABLE ASSEMBLY SINGLE END

26 AWG Rainbow Coded flat cable.

SE 14-24	WITH 14 PIN DIP PLUG	24" LONG (609MM)
SE 14-48	WITH 14 PIN DIP PLUG	48" LONG (1218MM)
SE 16-24	WITH 16 PIN DIP PLUG	24" LONG (609MM)
SE16-48	WITH 16 PIN DIP PLUG	48" LONG (1218MM)

RIBBON CABLE ASSEMBLY DOUBLE END

DE 14-2	WITH 14 PIN DIP PLUG	-2"
DE 14-4	WITH 14 PIN DIP PLUG	-4"
DE 14-8	WITH 14 PIN DIP PLUG	-8"
DE 14-12	WITH 14 PIN DIP PLUG	-12"
DE 14-16	WITH 14 PIN DIP PLUG	-16"
DE 14-24	WITH 14 PIN DIP PLUG	-24"
DE 16-2	WITH 16 PIN DIP PLUG	-2"
DE 16-4	WITH 16 PIN DIP PLUG	-4"
DE 16-8	WITH 16 PIN DIP PLUG	-8"
DE 16-12	WITH 16 PIN DIP PLUG	-12"
DE 16-16	WITH 16 PIN DIP PLUG	-16"
DE 16-24	WITH 16 PIN DIP PLUG	-24"
DE 24-6	WITH 24 PIN DIP PLUG	-6"
DE 24-8	WITH 24 PIN DIP PLUG	-8"
DE 24-12	WITH 24 PIN DIP PLUG	-12"
DE 24-16	WITH 24 PIN DIP PLUG	-16"
DE 24-24	WITH 24 PIN DIP PLUG	-24"

DIP SOCKETS

Dual-in-line package, 3 level wire-wrapping, phosphor bronze contact, gold plated pins .025" (0.63mm) sq., .100" (2.54mm) center spacing.

DIP-8	8 PIN DIP SOCKET
DIP-14	14 PIN DIP SOCKET
DIP-16	16 PIN DIP SOCKET
DIP-18	18 PIN DIP SOCKET
DIP-24	24 PIN DIP SOCKET
DIP-36	36 PIN DIP SOCKET
DIP-40	40 PIN DIP SOCKET

DIP PLUG WITH COVER FOR USE WITH RIBBON CABLE

Quantity: 2 PLUGS, 2 COVERS

14-PLG	14 PIN PLUG & COVER
16-PLG	16 PIN PLUG & COVER
24-PLG	24 PIN PLUG & COVER

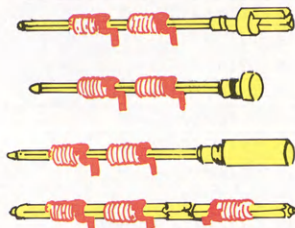
RIBBON CABLE - 100 FT. ROLLS RAINBOW CODED FLAT CABLE

FRB-14	14 COND., 28 AWG STRANDED
FRB-16	16 COND., 28 AWG STRANDED
FRB-24	24 COND., 28 AWG STRANDED

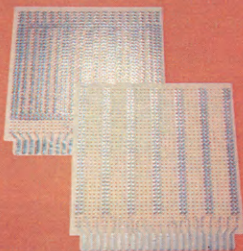
BW-2630



BW-630 / BW-2628



INS-1



H-PCB-1



PC-01

BATTERY WIRE WRAPPING TOOL BW-630 and BW-2628

For .025" (0.63mm) sq. post 'MODIFIED' wrap, positive indexing, anti over-wrapping device. Complete with Bit and Sleeve.

BW-630	FOR AWG 30
BW-2628	FOR AWG 26-28
BT-30	BIT FOR AWG 30
BT-2628	BIT FOR AWG 26-28
BW2630	FOR AWG 30 and AWG 26-28.
Supplied less bit and sleeve.	

USE "C" SIZE NI CAD BATTERIES, NOT INCLUDED

TERMINALS

- .025" (0.63mm) Square Post.
- 3 Level Wire-Wrapping.
- Gold Plated.

25 per package		100 per package
WWT-1	SLOTTED TERMINAL	23191/3/2
WWT-2	SINGLE SIDED TERMINAL	23190/3/2
WWT-3	IC SOCKET TERMINAL	22690/3/2
WWT-4	DOUBLE SIDED TERMINAL	WWT-4-100

TERMINAL INSERTING TOOL

For inserting WWT-1, WWT-2, WWT-3, and WWT-4 Terminals into .040" (1.0mm) Dia. Holes.

INSERTING TOOL

PC BOARD

The 4 x 4.5 x $\frac{1}{16}$ inch board is made of glass coated EPOXY Laminate and features solder coated 1 oz. copper pads. The board has provision for a 22/44 two sided edge connector, with contacts on standard .156 spacing. Edge contacts are non-dedicated for maximum flexibility.

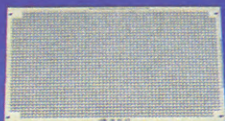
The board contains a matrix of .040 in. diameter holes on .100 inch centers. The component side contains 76 two-hole pads that can accommodate any DIP size from 6-40 pins, as well as discrete components. Typical density is 18 of 14-Pin DIP's. Components may be soldered directly to the board or intermediate sockets may be used for soldering or wire-wrapping.

PRINTED CIRCUIT BOARD

TERMINAL BOARD

Pre-punched board with 2,130 holes, .042 dia. on 0.1" x 0.1" hole matrix, plus corner mounting holes. Made of .062 thick glass coated epoxy laminate. Outside dimensions 6.3 x 3.94 inches. A convenient and economical method for assembling circuit components in both experimental and production units.

TERMINAL BOARDS



PC-02

PC BOARD

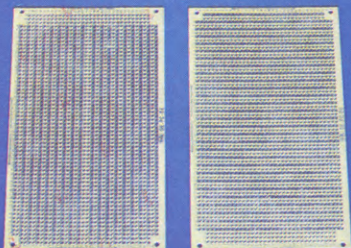
Same specifications as PC-01. Matrix pattern is copper plated and solder coated on one side. Convenient numbering system for easy hole location, with provision for connector CON-3.

PRINTED CIRCUIT BOARDS

PC-03

PC BOARD

Same specifications as PC-01. Each line of holes is connected with copper plated and solder coated parallel strips on one side. Circuit assembly is accomplished by interconnecting the copper strips with components, and breaking the strips where necessary. Convenient numbering system for easy hole location, with provision for connector CON-3.

PRINTED CIRCUIT BOARD

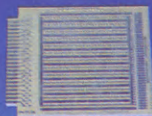
PC-04

PC BOARD

Same specification as PC-01. One side has horizontal copper strips, solder coated, connecting the hole pattern, with pads on all holes of alternate lines. Second side has vertical parallel bars, with pads on all holes of alternate lines. Convenient numbering system for easy hole location, with provision for connector CON-3.

PRINTED CIRCUIT BOARD

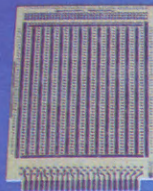
A-PC-05



A-PC-05

PC BOARD

The A-PC-05 features numbered contacts for easy reference along with a numbered matrix for easy hole locations. Made of .062 in. thick epoxy laminate 4.5 in. x 5 in. Edge Connector Board.

PRINTED CIRCUIT BOARD

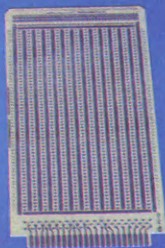
A-PC-06

PC BOARD

Same as A-PC-05 except outside dimensions are 4.5 in. x 6.5 in. Edge Connector Board.

PRINTED CIRCUIT BOARD

A-PC-06



A-PC-07

A-PC-07

PC BOARD

Same as A-PC-05 except outside dimensions are 4.5 in. x 8 in. Edge Connector Board.

PRINTED CIRCUIT BOARD

PC CARD GUIDES

TR-1 consists of 2 guides precision molded with unique spring finger action that dampens shock and vibration, yet permits smooth insertion or extraction. Guides accommodate any card thickness from .040-.100 inches.

QUANTITY - ONE PAIR (2 PCS.)

TR-1

CARD GUIDES

PC CARD GUIDES & BRACKETS

TRS-2 kit includes 2 TR-1 guides plus 2 mounting brackets. Support brackets feature unique stabilizing post that permits secure mounting with only 1 screw.

QUANTITY - ONE SET (4 PCS.)

TRS-2

GUIDES & BRACKETS

P.C.B. TERMINAL STRIPS

The TS strips provide positive screw activated clamping action, accommodate wire sizes 14-30 AWG (1.8-0.25mm). Pins are solder plated copper, .042 inch (1mm) diameter, on .200 inch (5mm) centers.

TS- 4	4-POLE
TS- 8	8-POLE
TS-12	12-POLE

MODULAR TERMINAL STRIPS

For versatile, economical connections especially in bread-boarding and short runs. Two circuit modules are dovetailed together in various combinations to form printed circuit board terminals with the desired number of circuits. Making stable, low-resistance connections with only a screwdriver, the space-saving terminals take conductors from 26 through 16 AWG conforming to .20 inch (5.08mm) hole spacing on boards up to .126 inch (3.20mm) thick.

TS-6MD

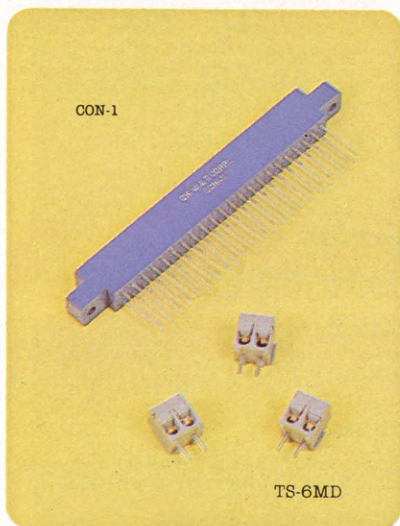
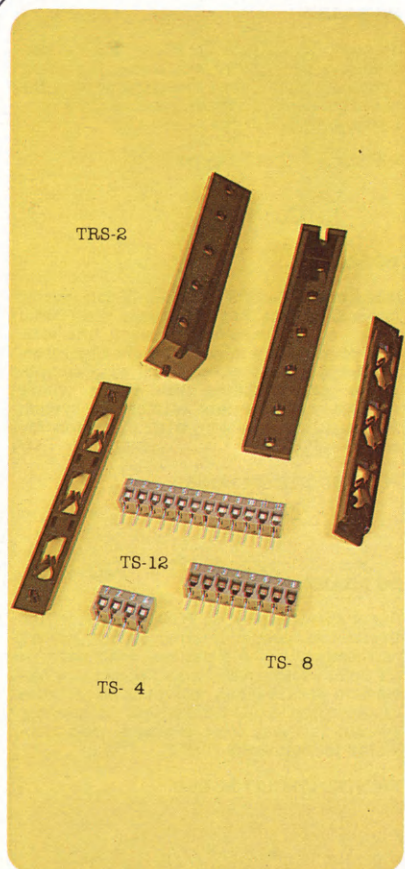
2-POLE (3 per Package)

PC EDGE CONNECTOR

44 Pin, dual read out, .156" (3.96mm) Contact Spacing, .025" (0.63mm) square wire-wrapping pins.

CON-1

P.C. EDGE CONNECTOR





CM-100

CIRCUIT BOARD CM-100

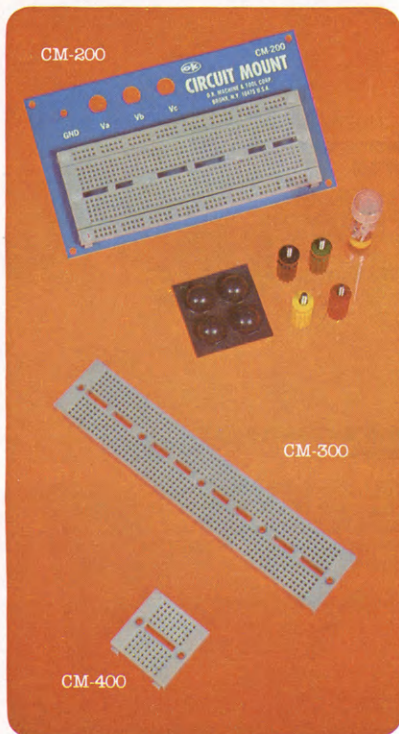
TERMINALS: 1,020 TEST POINTS. 188 separate 5 point terminals, plus 2 horizontal bus lines of 40 common test points each.

CAPACITY: Up to 12 14 pin, or 10 16 pin DIP IC's.

BINDING POSTS: Four, coded Black, Red, Green and Yellow.

SIZE: 6 1/2" Wide, 5" Long.

MODULAR CIRCUIT BOARD



CM-200

CIRCUIT BOARD CM-200

TERMINALS: 630 TEST POINTS. 94 separate 5 point terminals, plus 4 bus lines of 40 common test points each.

CAPACITY: Up to 6 14 pin, 5 16 pin DIP IC's.

BINDING POSTS: Four, coded Black, Red, Green and Yellow.

SIZE: 6" Wide, 3 1/2" Long.

MODULAR CIRCUIT BOARD

CIRCUIT BOARD CM-300, CM-400

CM-300 & CM-400 have two separated rows of five interconnected contacts each. The median separates the rows by .300" (minimum DIP spacing). Therefore, each pin of a DIP (or other component) inserted in the strip will have four additional tiepoints per pin in which to insert connecting wires or components. They accept leads and components up to .032" diameter. Interconnections are readily made with 22 AWG solid wire. All contact sockets are on a .100 square grid (1 1/8" wide).

CM-300

MODULAR CIRCUIT BOARD

CM-400

MODULAR CIRCUIT BOARD

MODULAR BUS STRIP

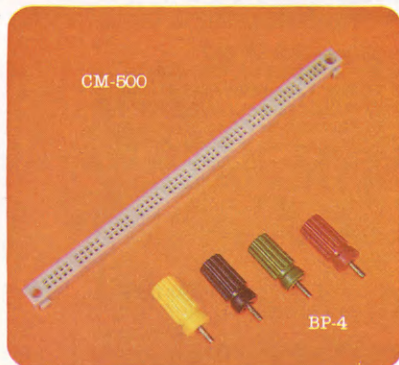
CM-500 is a bus strip to be used in conjunction with CM-300 and CM-400 for distribution of power and common signed lines. They consist of two separate rows of common terminals, grouped into clusters of five. All contact sockets are separated by .100 grid (1/8" wide).

CM-500

MODULAR BUS STRIP

BINDING POSTS

Universal type accepts phone tip plug, spade lug, banana plug, alligator clip or wire strands. Supplied with plastic washers for complete insulation to panel, color coded green, red, black, yellow.



Part No.	Qty	Color
BP-4	1 each	Green/Red/Black/Yellow
BP-GR-100	100	Green
BP-R-100	100	Red
BP-BK-100	100	Black
BP-Y-100	100	Yellow



WRAPPING KITS WK-2

Contains: Hobby Wrap Tool WSU-30, (60 ft.) Roll of wire, Prestripped wire 1" to 4" lengths (50 wires per package) stripped 1" both ends.

WK-2-B	WIRE-WRAPPING KIT (BLUE)
WK-2-Y	WIRE-WRAPPING KIT (YELLOW)
WK-2-W	WIRE-WRAPPING KIT (WHITE)
WK-2-R	WIRE-WRAPPING KIT (RED)



WK-3B

WIRE WRAPPING KIT WK-3

Contains: Hobby Wrap Tool WSU-30, Roll of wire R-30B-0060, (2) 14 DIP's, (2) 16 DIP's and Hobby Board H-PCB-1.

WK-3B (BLUE) WIRE-WRAPPING KIT

WIRE WRAPPING KIT WK-4

Contains: Hobby Wrap Tool WSU-30M, Wire Dispenser WD-30-B, (2) 14 DIP's, (2) 16 DIP's, Hobby Board H-PCB-1, DIP IC Insertion Tool INS-1416, DIP IC Extractor Tool EX-1 and PC Edge Connector CON-1.

WK-4B (BLUE) WIRE-WRAPPING KIT



WIRE WRAPPING KIT WK-5

- Battery Tool BW-630
- Hobby Wrap Tool WSU-30M
- PC Edge Connector CON-1
- DIP IC Extractor Tool EX-1
- DIP IC Insertion Tool INS-1416
- PC Card Guides & Brackets TRS-2
- Mini-Shear with Safety Clip MS-20
- 14, 16, 24 and 40 Pin DIP Sockets
- Terminals WWT-1
- Tri-Color Wire Dispenser WD-30-TRI
- Hobby Board H-PCB-1
- Product Catalog

USE "C" SIZE NI CAD BATTERIES
NOT INCLUDED

WK-5 WIRE-WRAPPING KIT



EK-1

ELECTRONIC HOBBY KITS

These kits provide an enjoyable means of learning some very interesting lessons about basic electronics and electronic assembly in general. Not only will you have the experience of working with PC boards, transistors, capacitors, IC's, resistors and other solid state components, you will also have fun with the completed kit.

All parts are included, as well as very easy to follow instructions. All you need are assembly tools (solder, soldering iron, long nose pliers, small phillips screw driver, small wire cutters), and the required batteries.

QUICK REACTION GAME

Test your response time against your opponent. At the lighting of a start signal LED, see who is quickest on the button. If you push the button before the starting LED is on, the LED indicates a "foul" by flashing.



EK-2

ELECTRONIC ORGAN

You don't have to be a musician to build and play this hand held organ. Enjoy playing familiar songs or compositions of your own, creating the tones with electronic sound.



EK-3

DIGITAL ROULETTE

Enjoy the thrills, excitement and risk of your own Digital Roulette game. Rapidly flashing numbers are displayed on the digital LED. Press the push button switch to stop the flashing LED on a single digit. Use your imagination to create many other interesting games.



EK-4

ELECTRONIC DICE GAME

This two-player game is not only fun to build, but fun to play. It can be used in many ways. Games that can be played are high number wins, matching odds and evens, hit the chosen number, twenty one. Use your imagination to create many other interesting games.

EK-5

MORSE CODE PRACTICE KIT

Learn the international code of dots and dashes on this kit you have just assembled using transistors, capacitors, resistors and a transformer. Great for developing speed for sending messages.



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